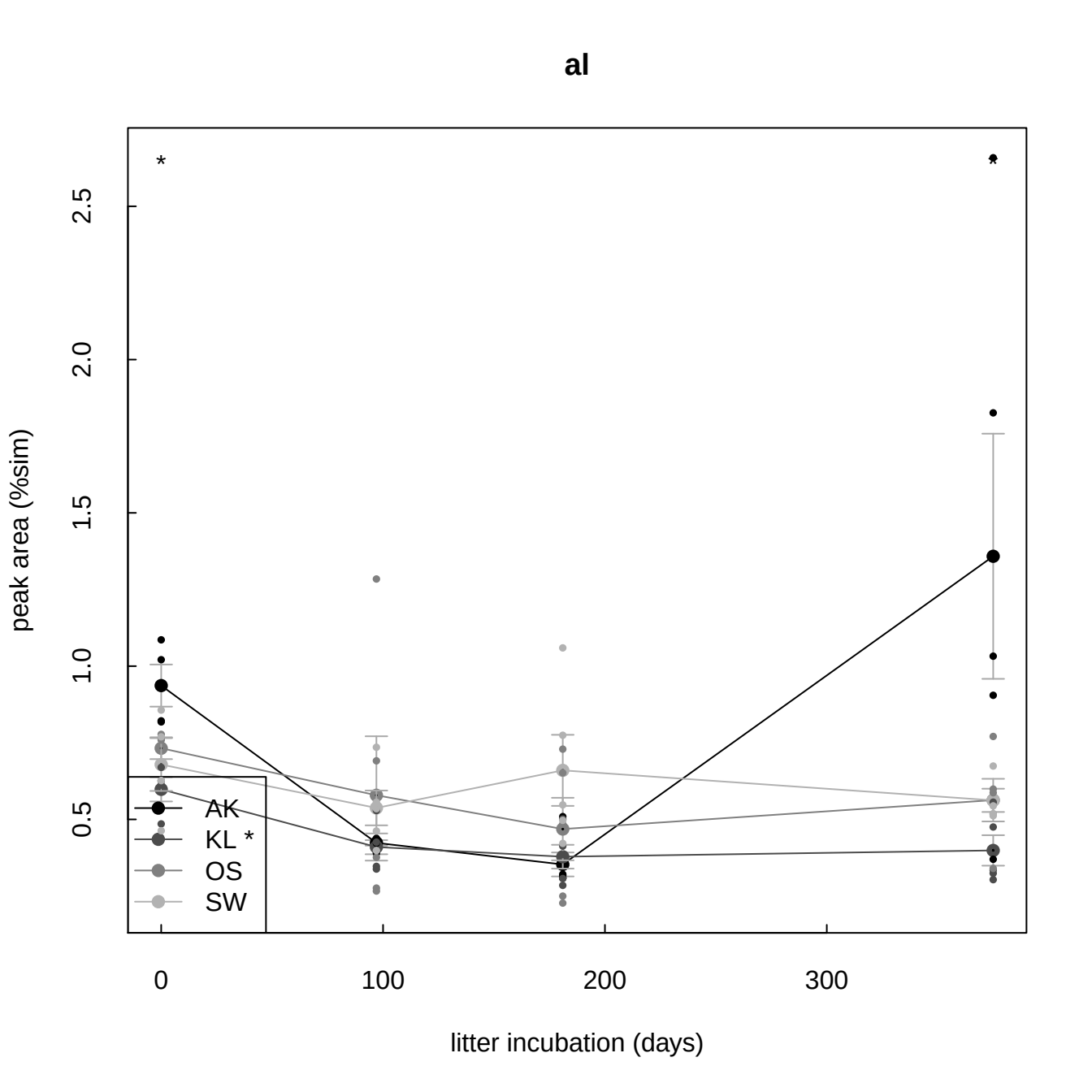
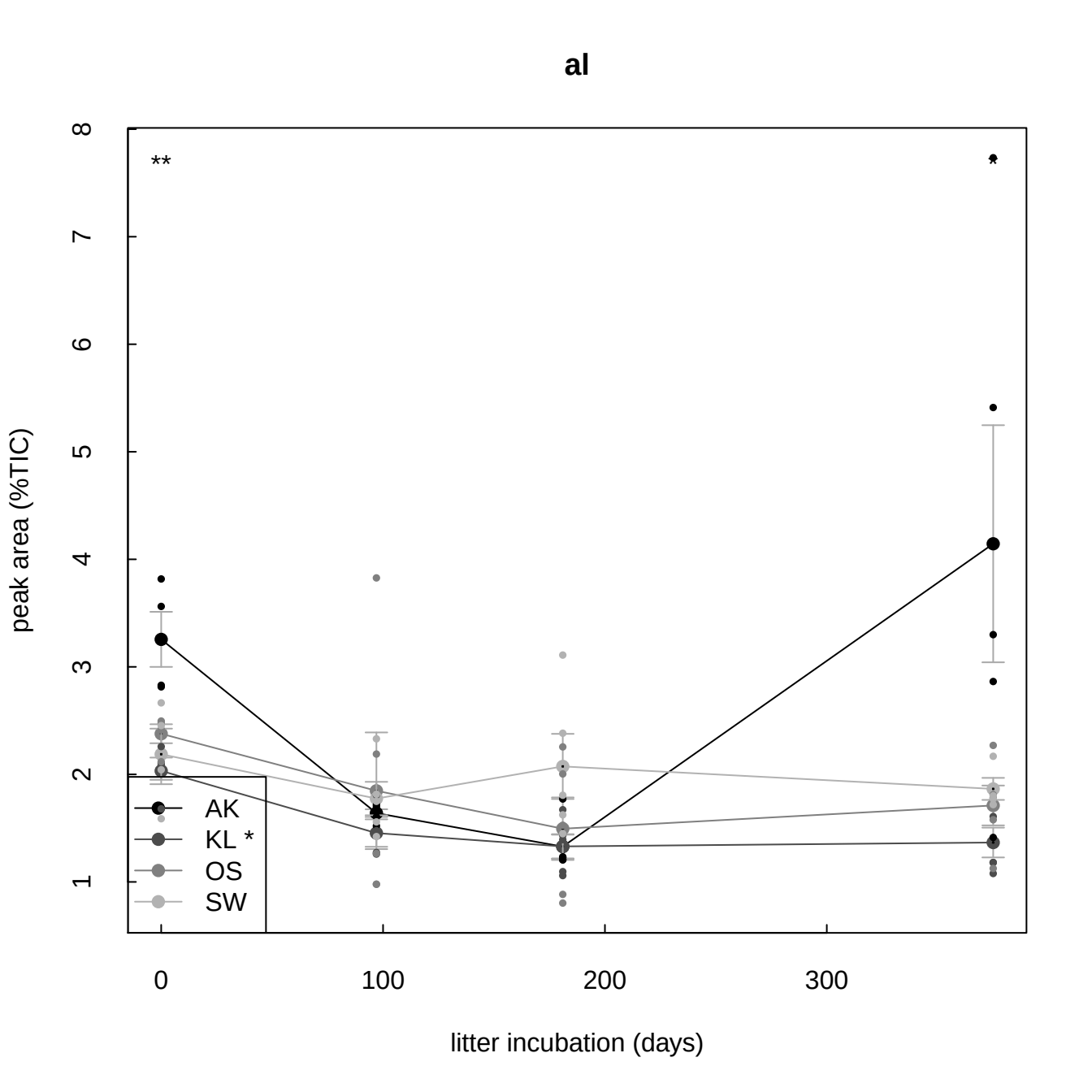
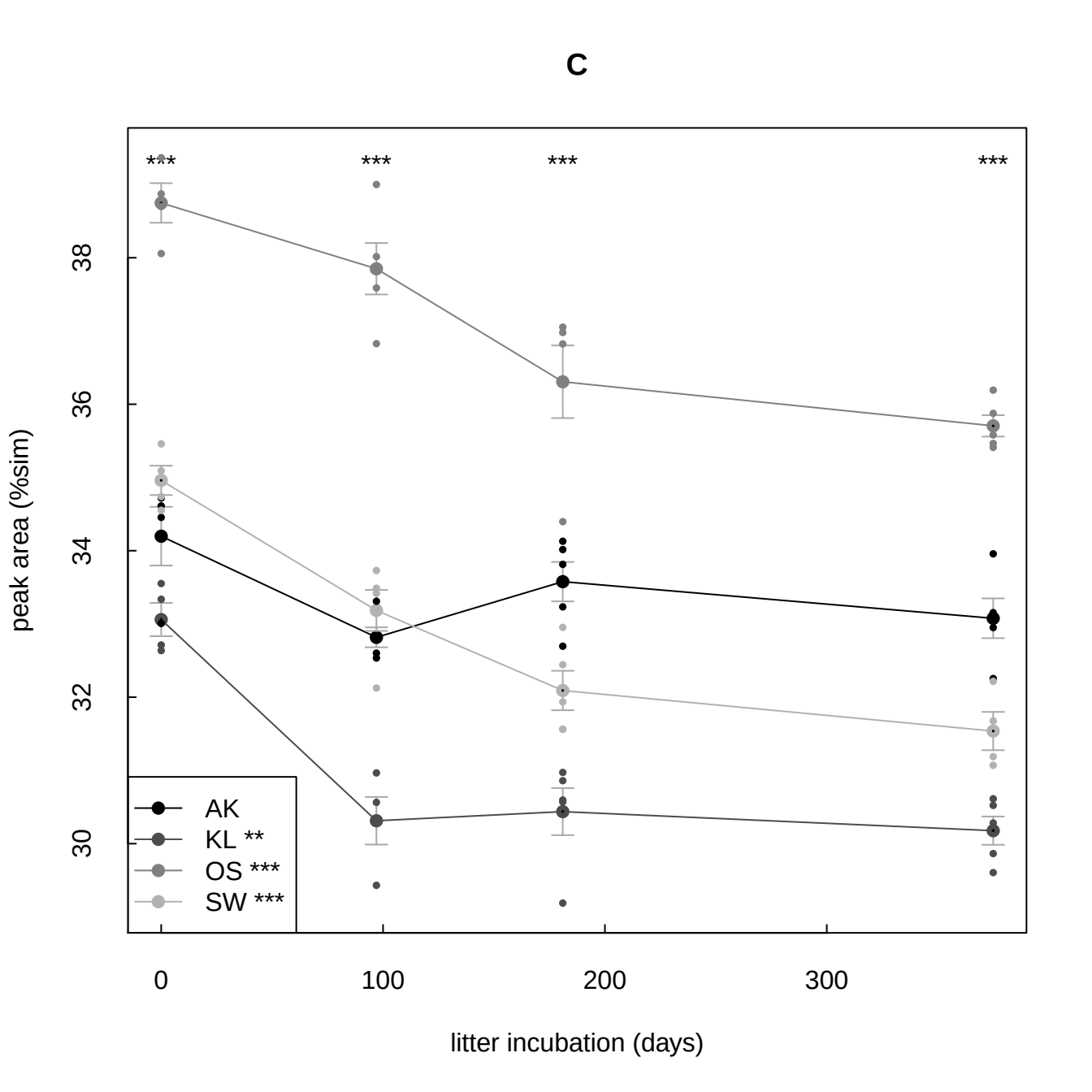
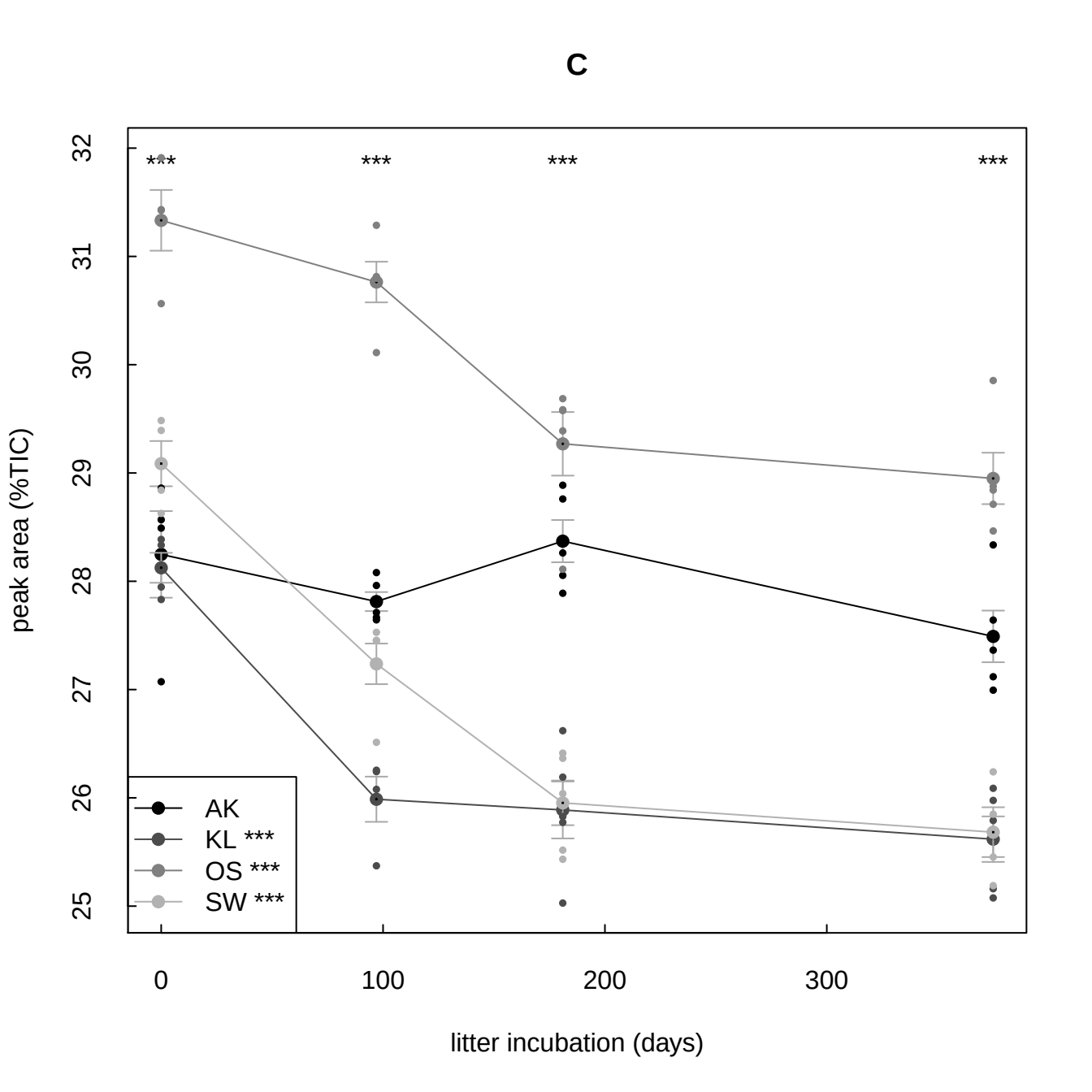
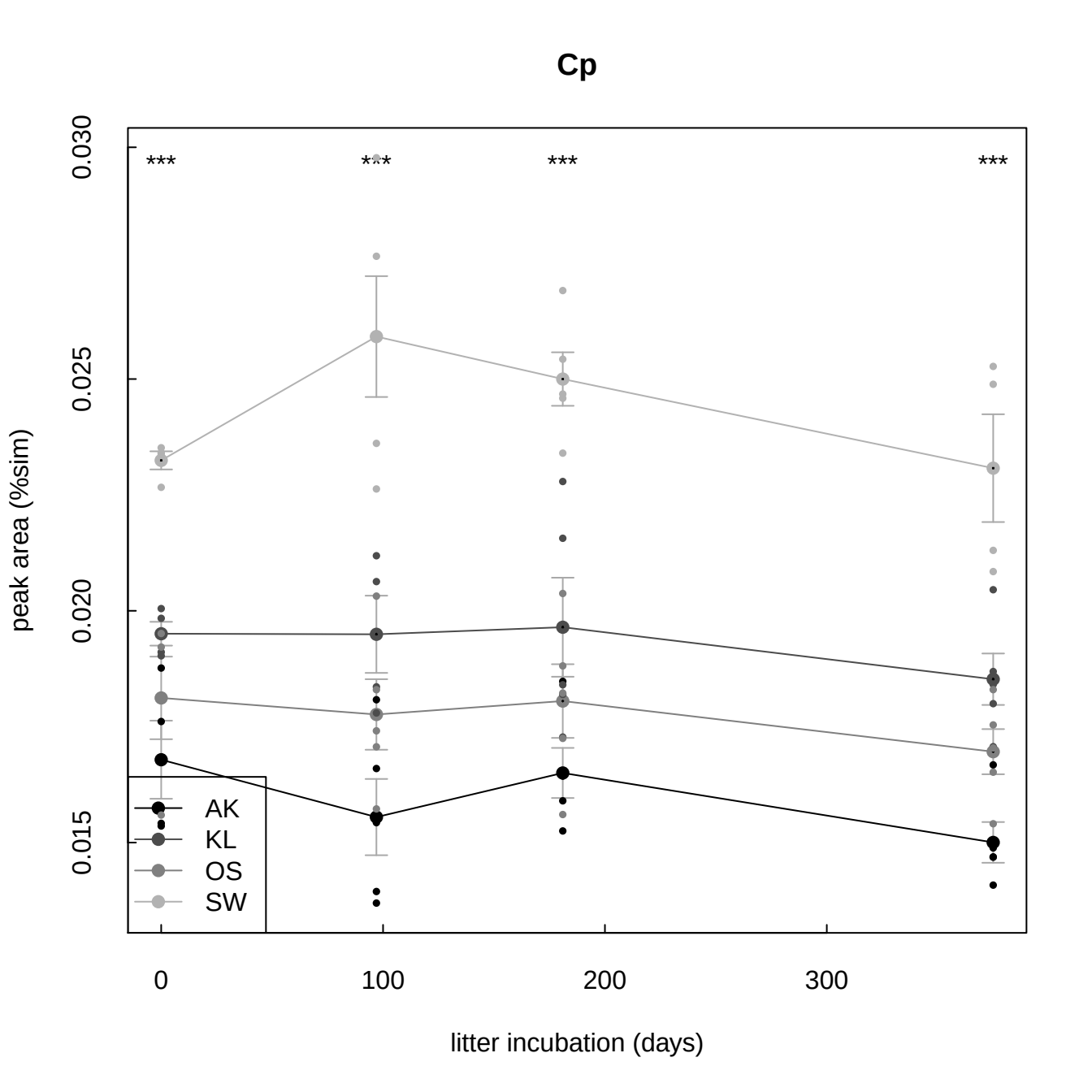
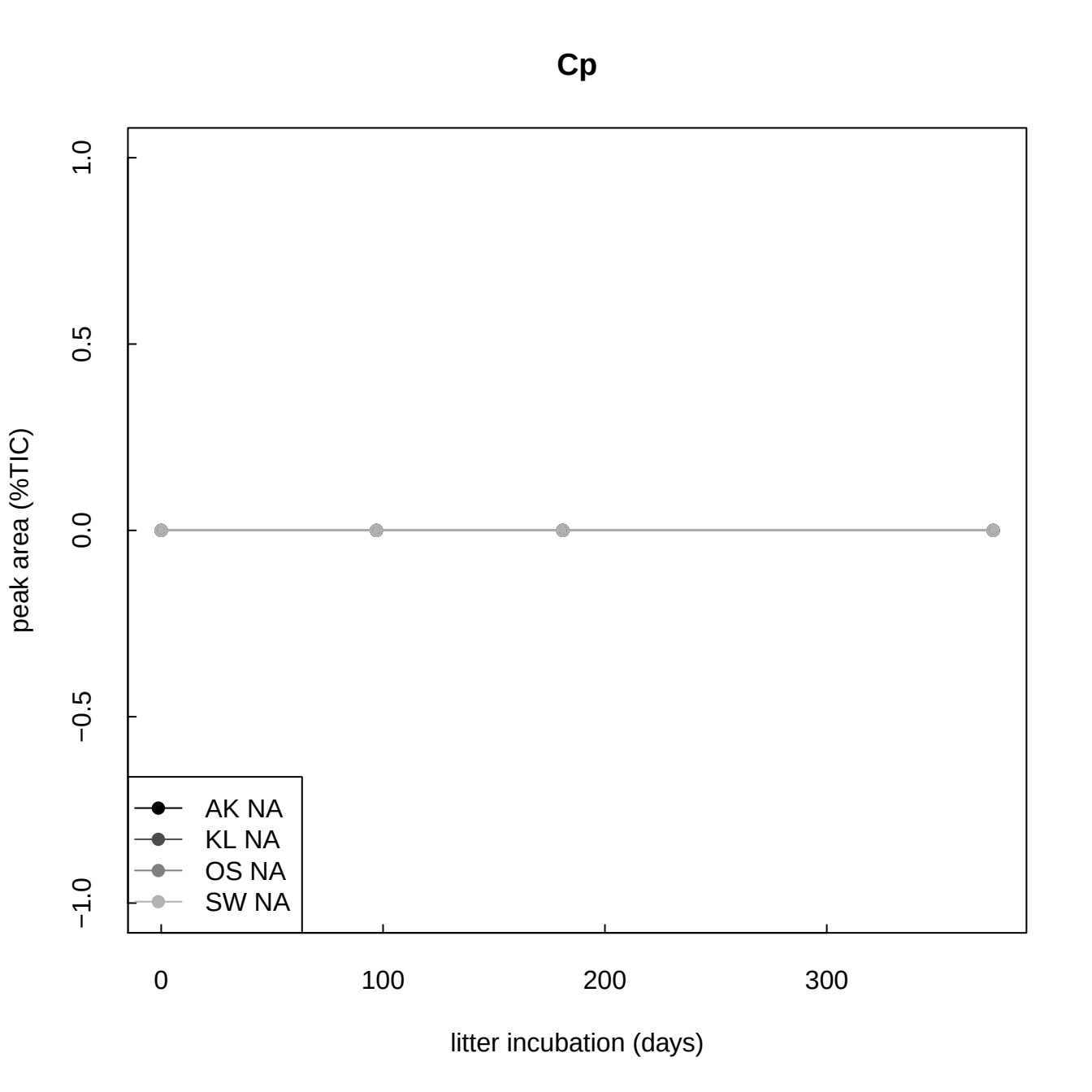

al
peak area (%sim)
0.5
1.0
1.5
2.0
2.5
*
*
AK
KL *
OS
SW
0
100
200
300
litter incubation (days)

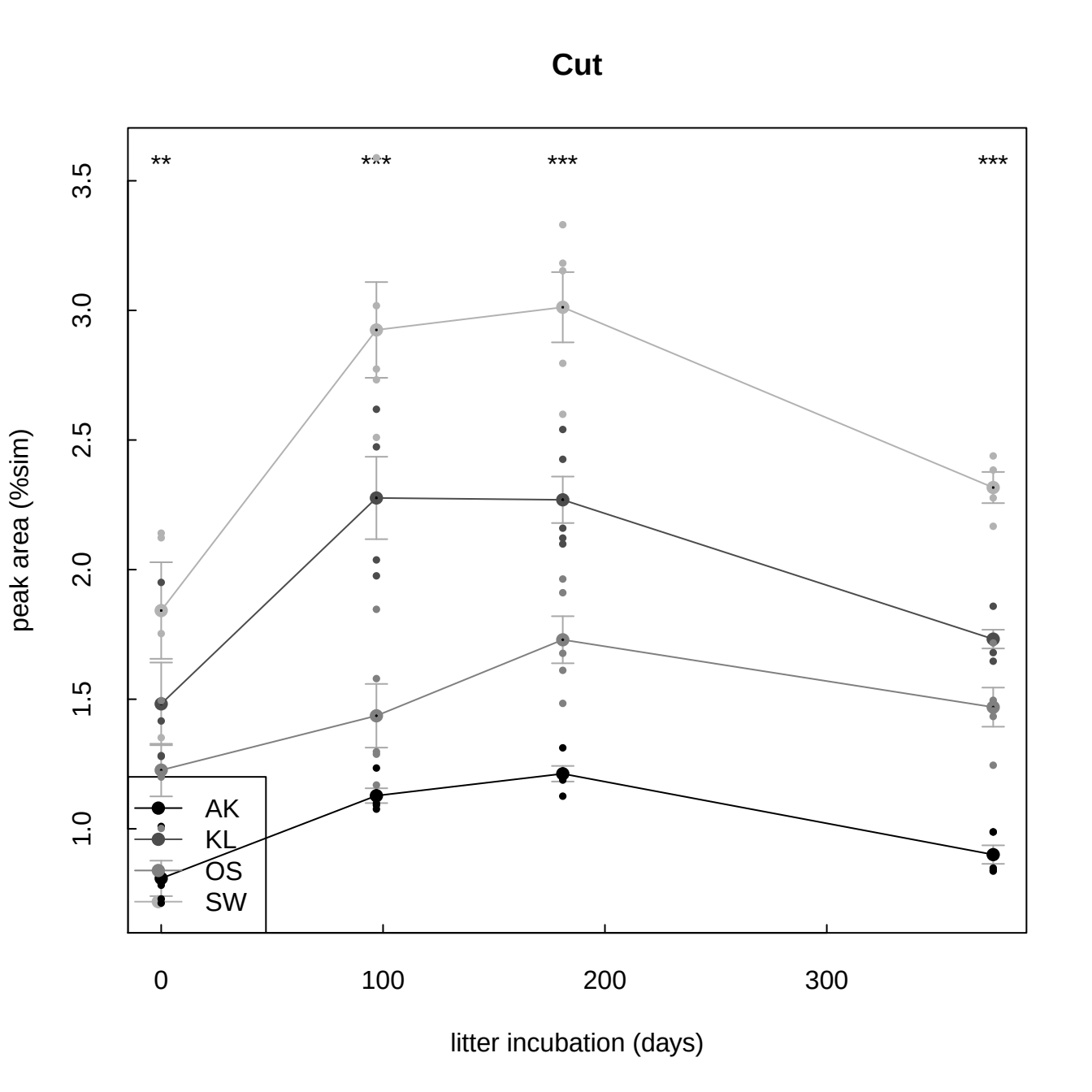

al
**
*
AK
KL *
OS
SW
peak area (%TIC)
1
2
3
4
5
6
7
8
0
100
200
300
litter incubation (days)

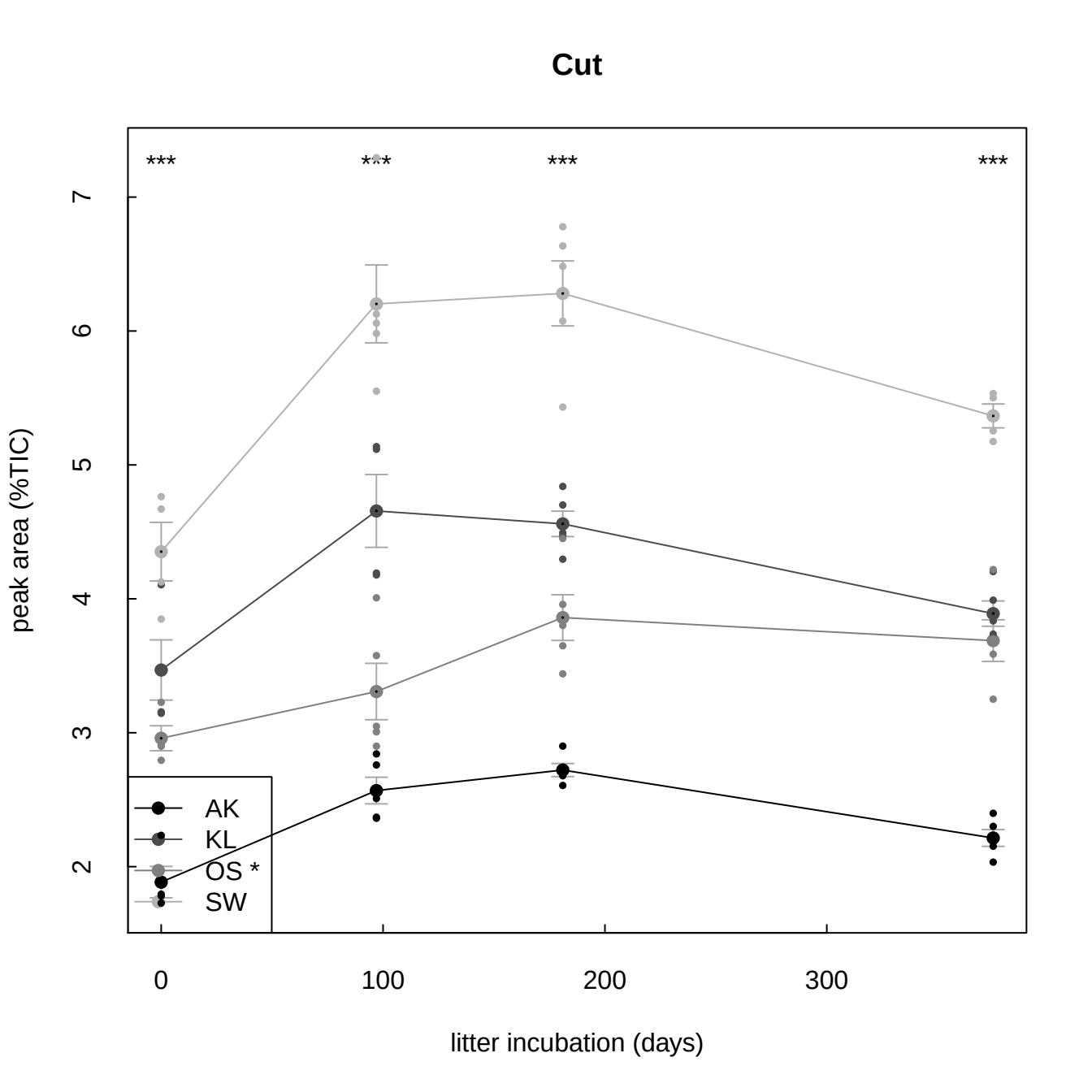

C
***
***
***
***
38
36
34
32
30
peak area (%sim)
AK
KL **
OS ***
SW ***
0
100
200
300
litter incubation (days)

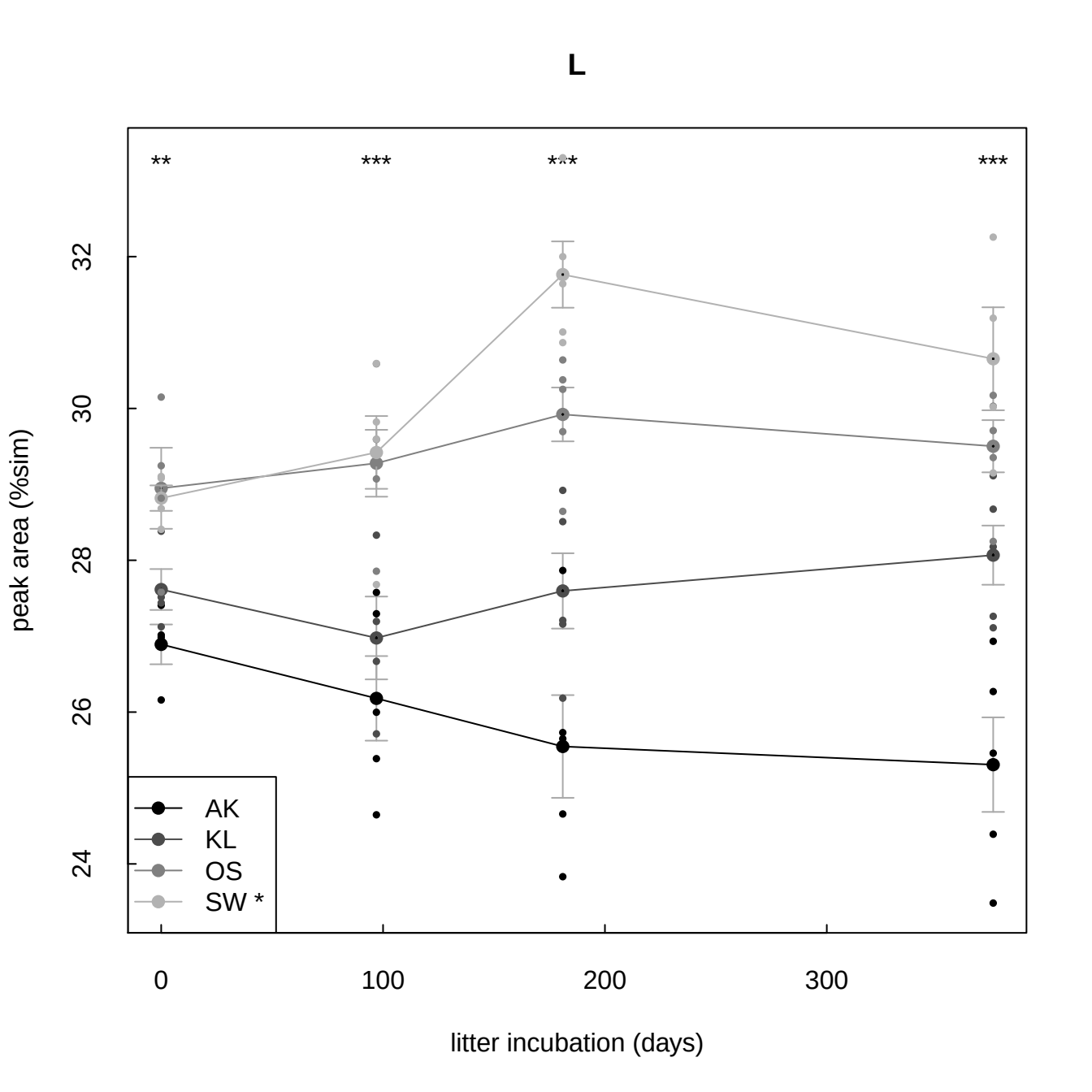

C
***
***
***
***
peak area (%TIC)
32
31
30
29
28
27
26
25
AK
KL ***
OS ***
SW ***
0
100
200
300
litter incubation (days)

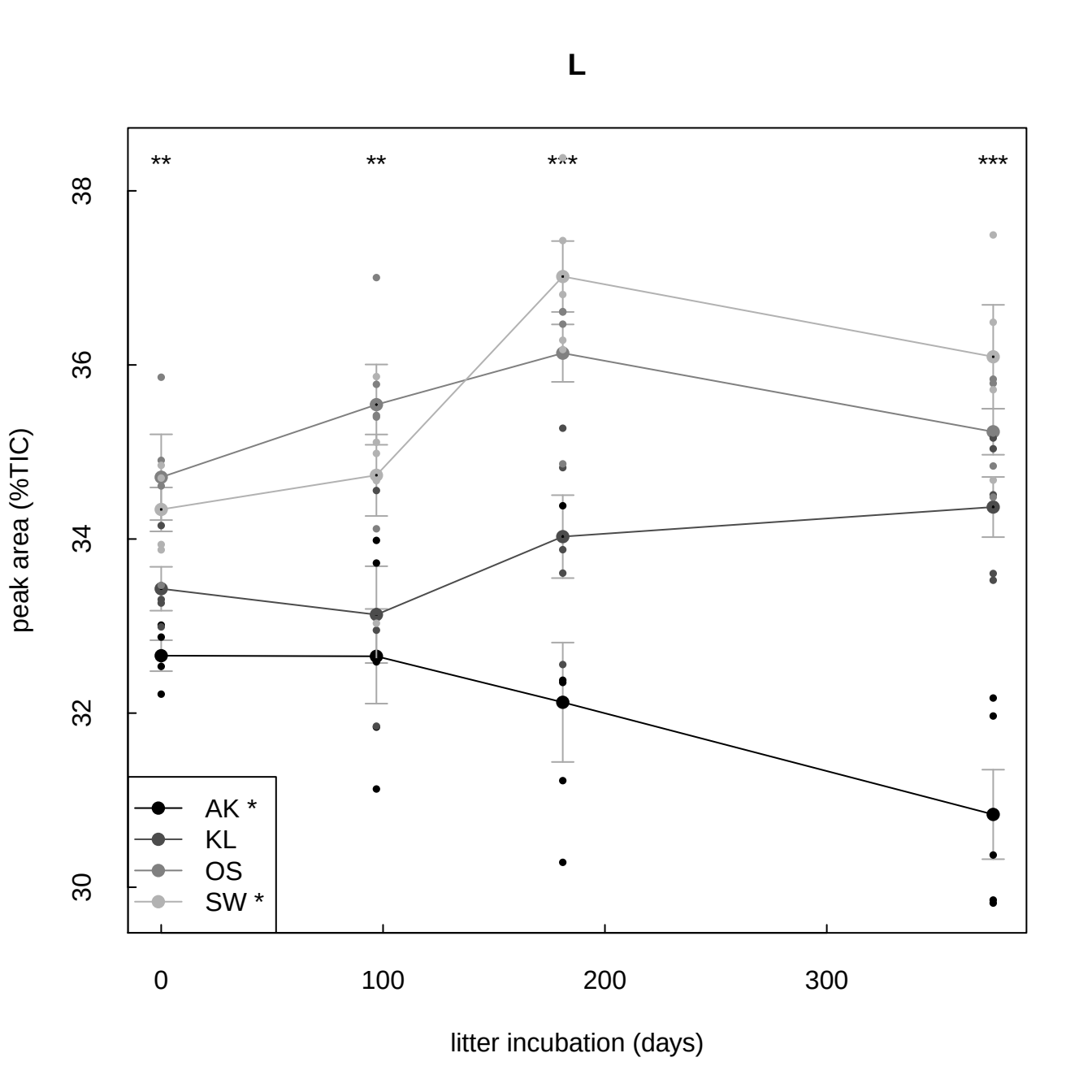

Cp
peak area (%sim)
0.030
0.025
0.020
0.015
***
***
***
***
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

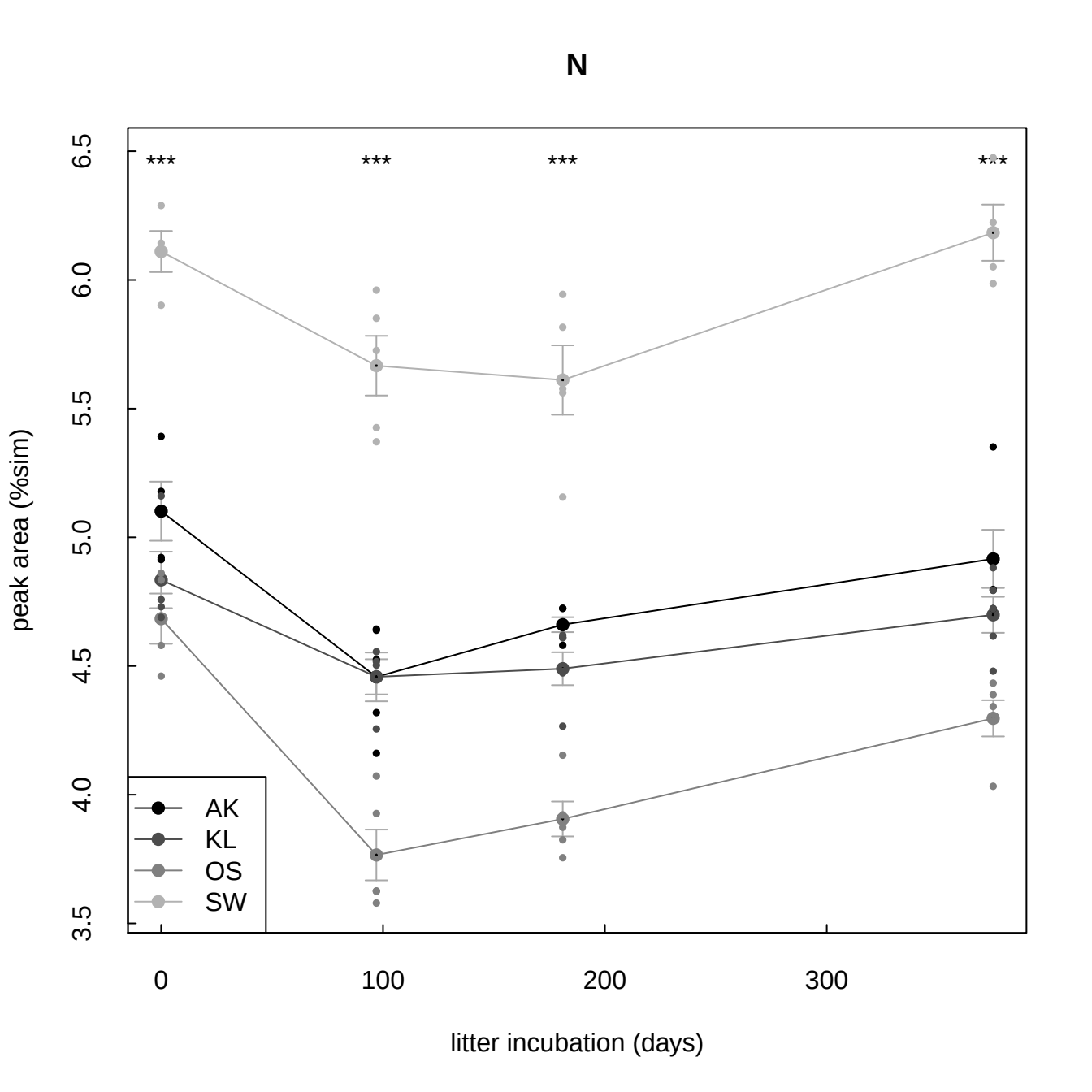

Cp
peak area (%TIC)
1.0
0.5
0.0
−0.5
−1.0
AK NA
KL NA
OS NA
SW NA
0
100
200
300
litter incubation (days)

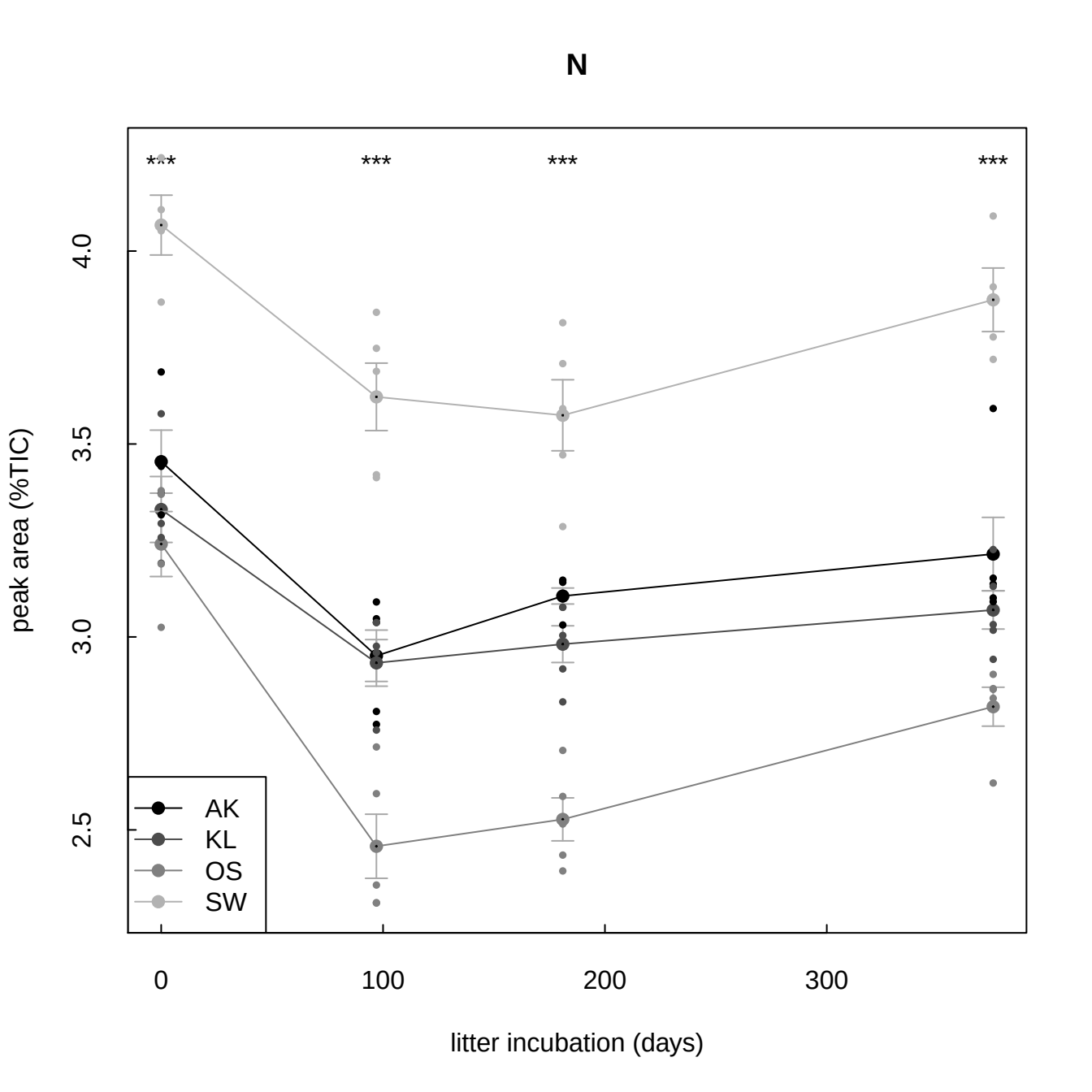

Cut
**
***
***
***
peak area (%sim)
1.0
1.5
2.0
2.5
3.0
3.5
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

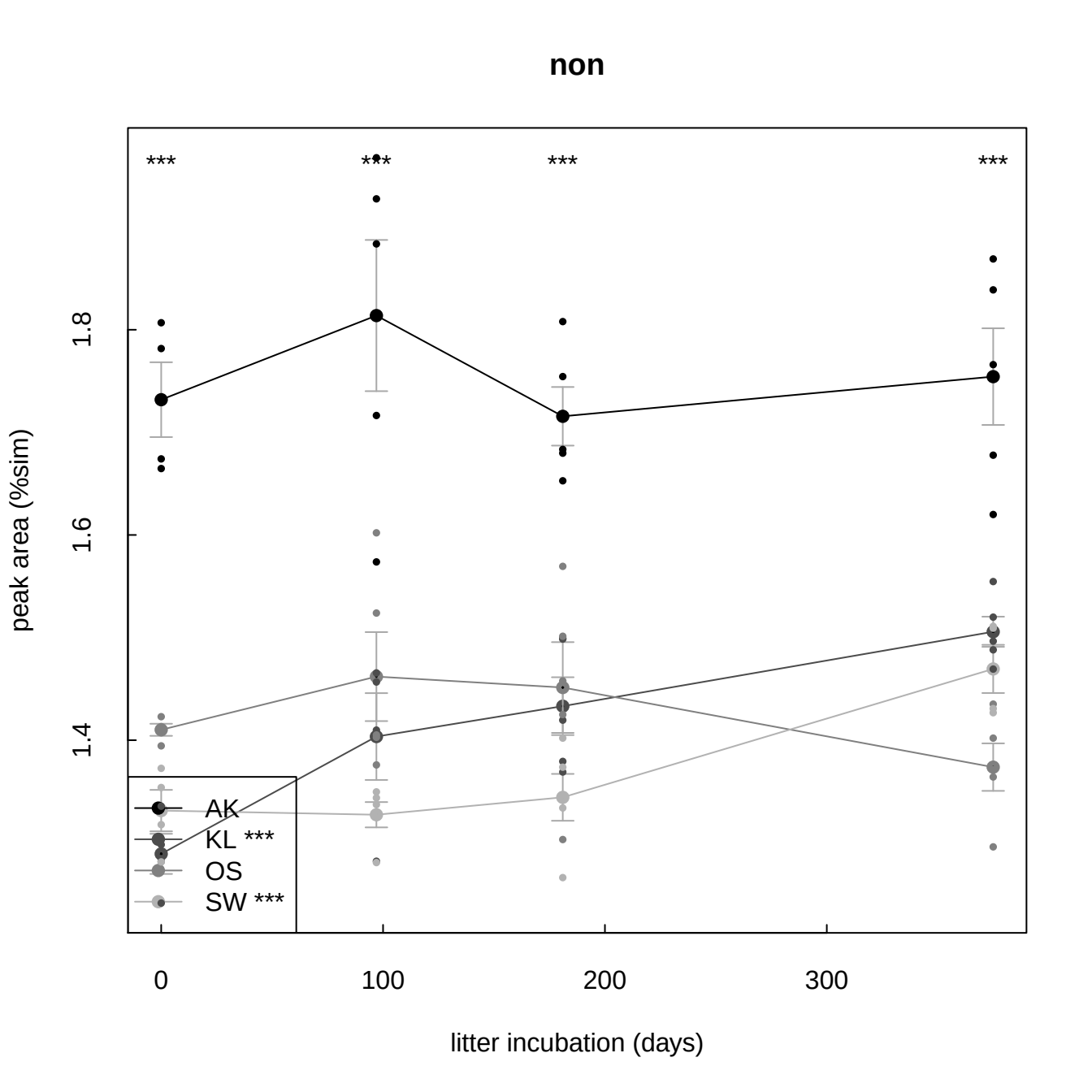

Cut
***
***
***
***
peak area (%TIC)
2
3
4
5
6
7
0
100
200
300
litter incubation (days)
AK
KL
OS *
SW

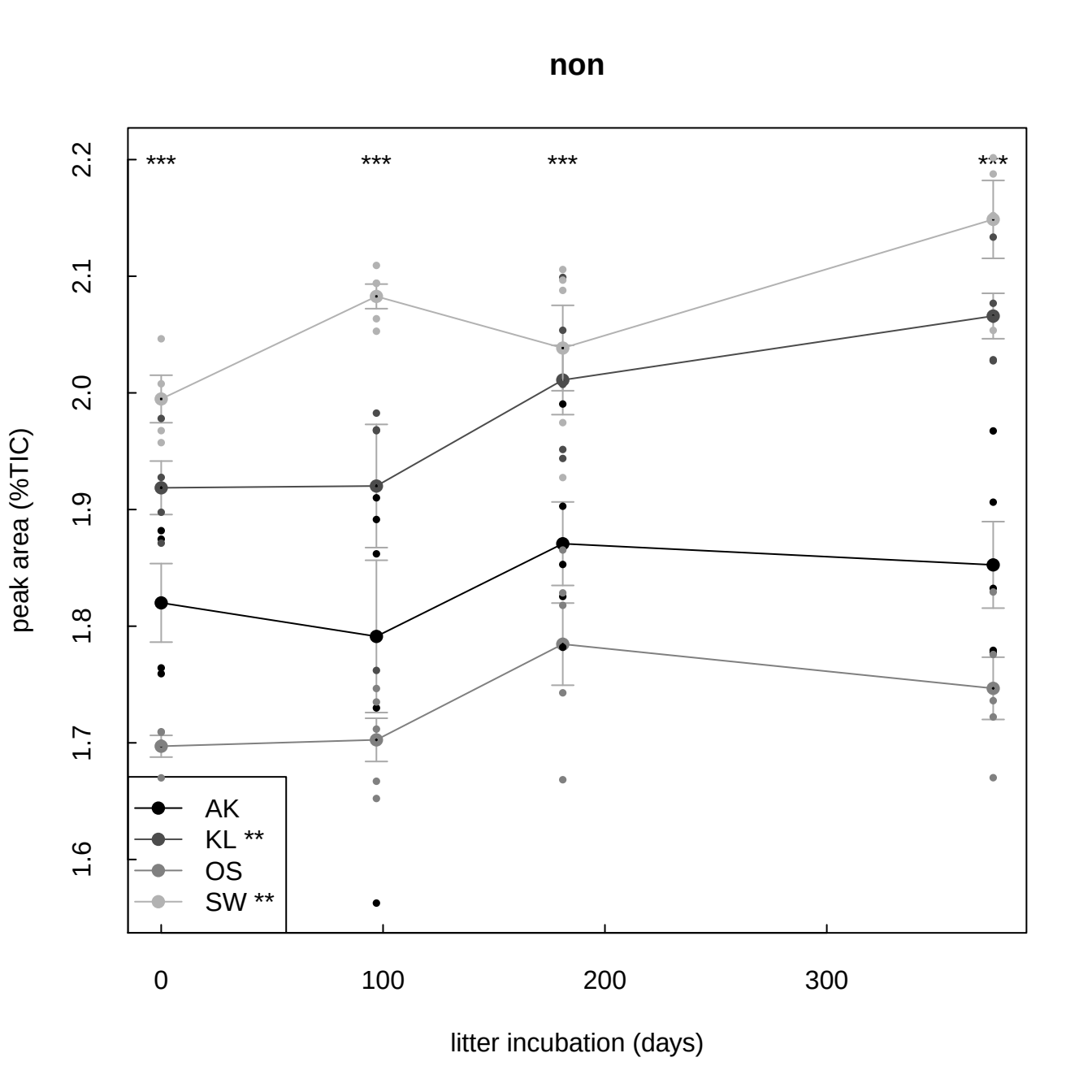

L
**
***
***
***
peak area (%sim)
24
26
28
30
32
0
100
200
300
litter incubation (days)
AK
KL
OS
SW *

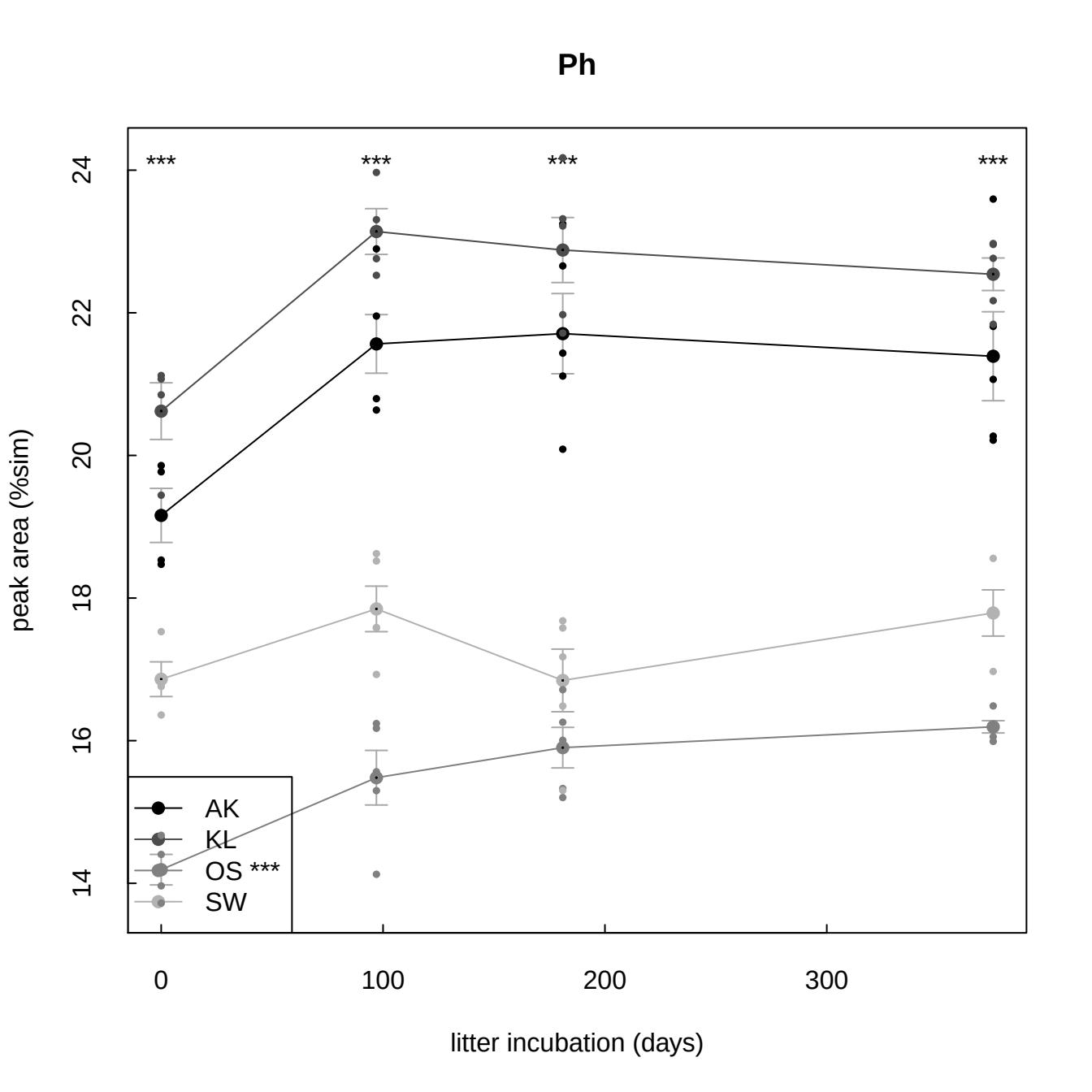

L
**
**
***
***
peak area (%TIC)
30
32
34
36
38
0
100
200
300
litter incubation (days)
AK *
KL
OS
SW *

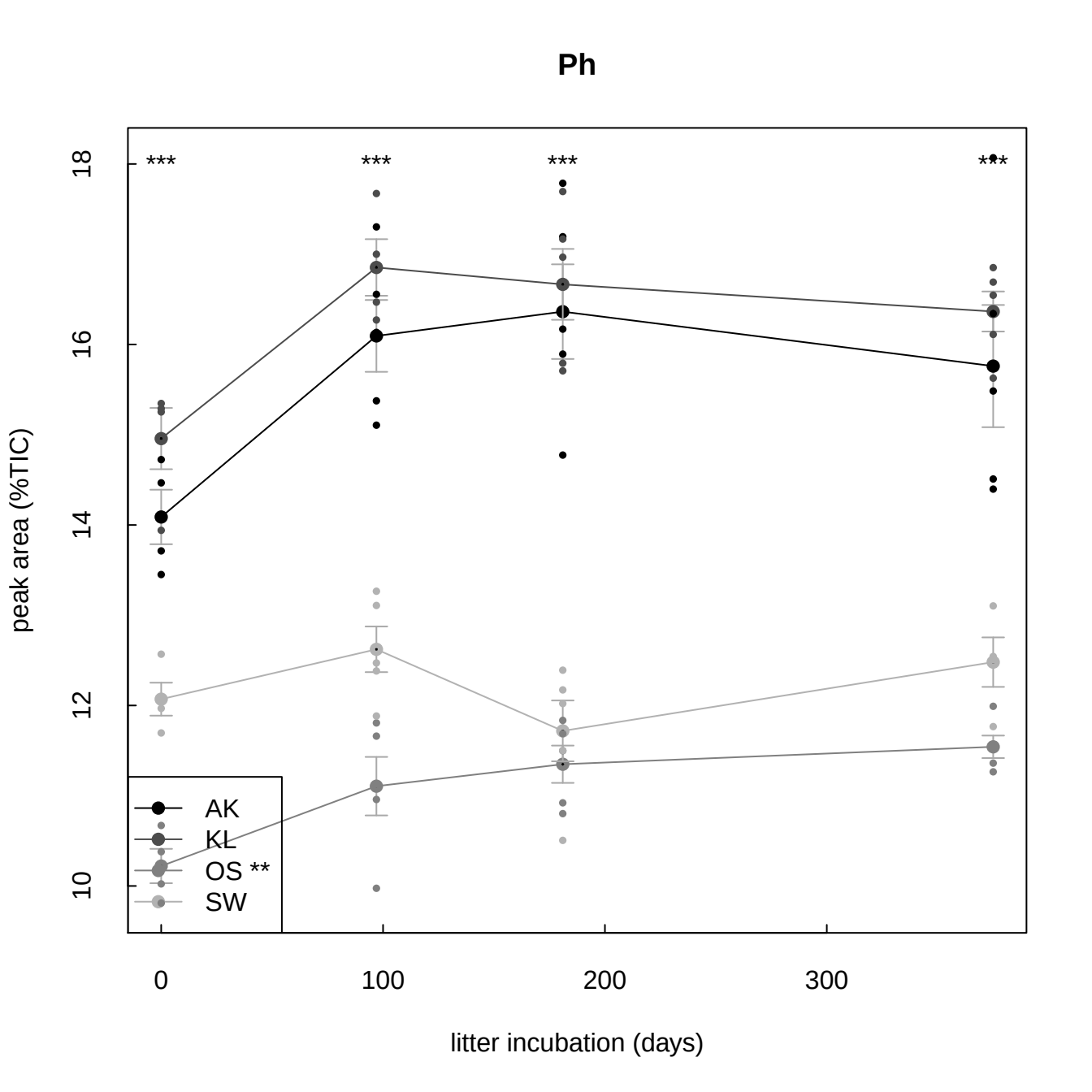

N
***
***
***
***
6.5
6.0
5.5
5.0
4.5
4.0
3.5
peak area (%sim)
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

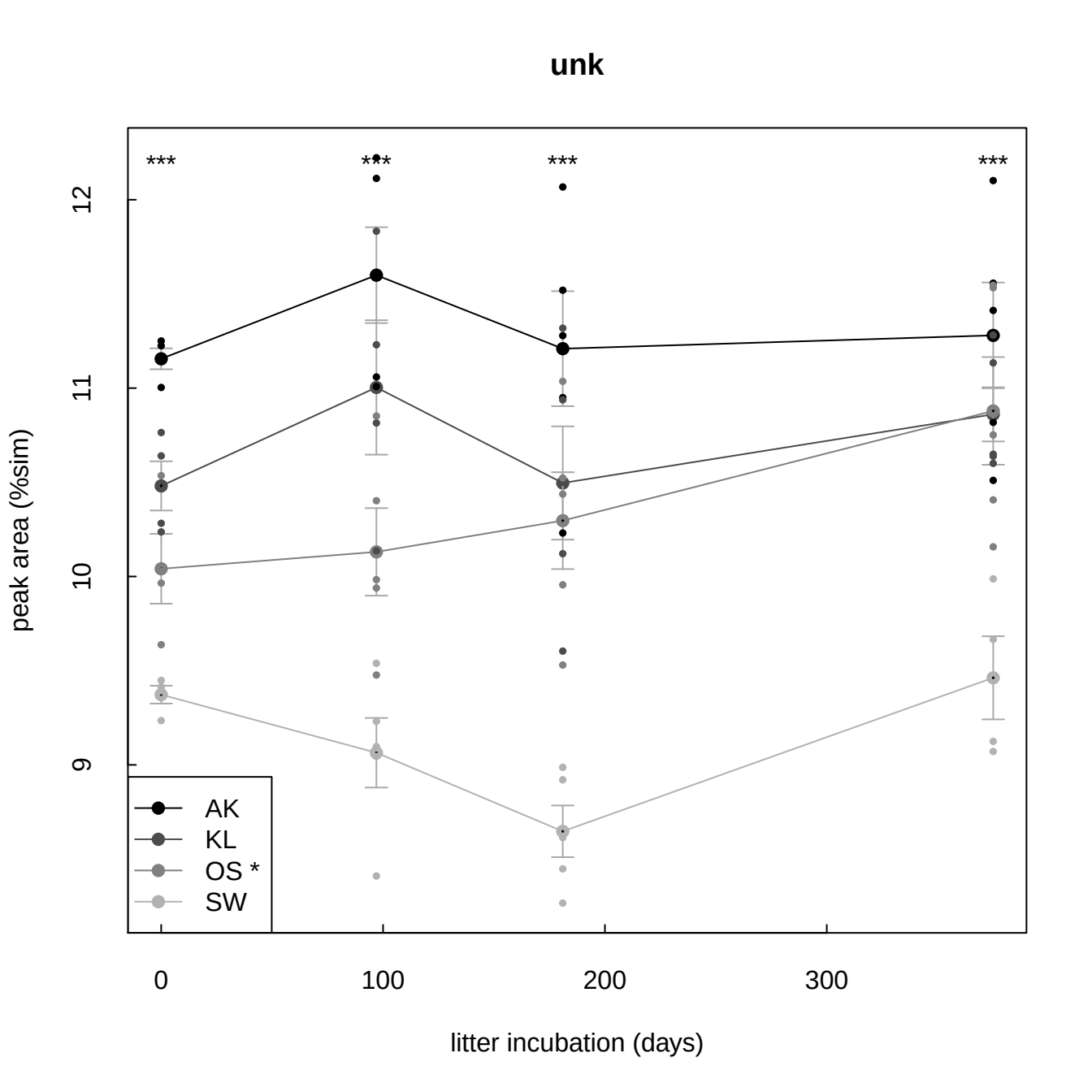

N
***
***
***
***
4.0
3.5
3.0
2.5
peak area (%TIC)
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

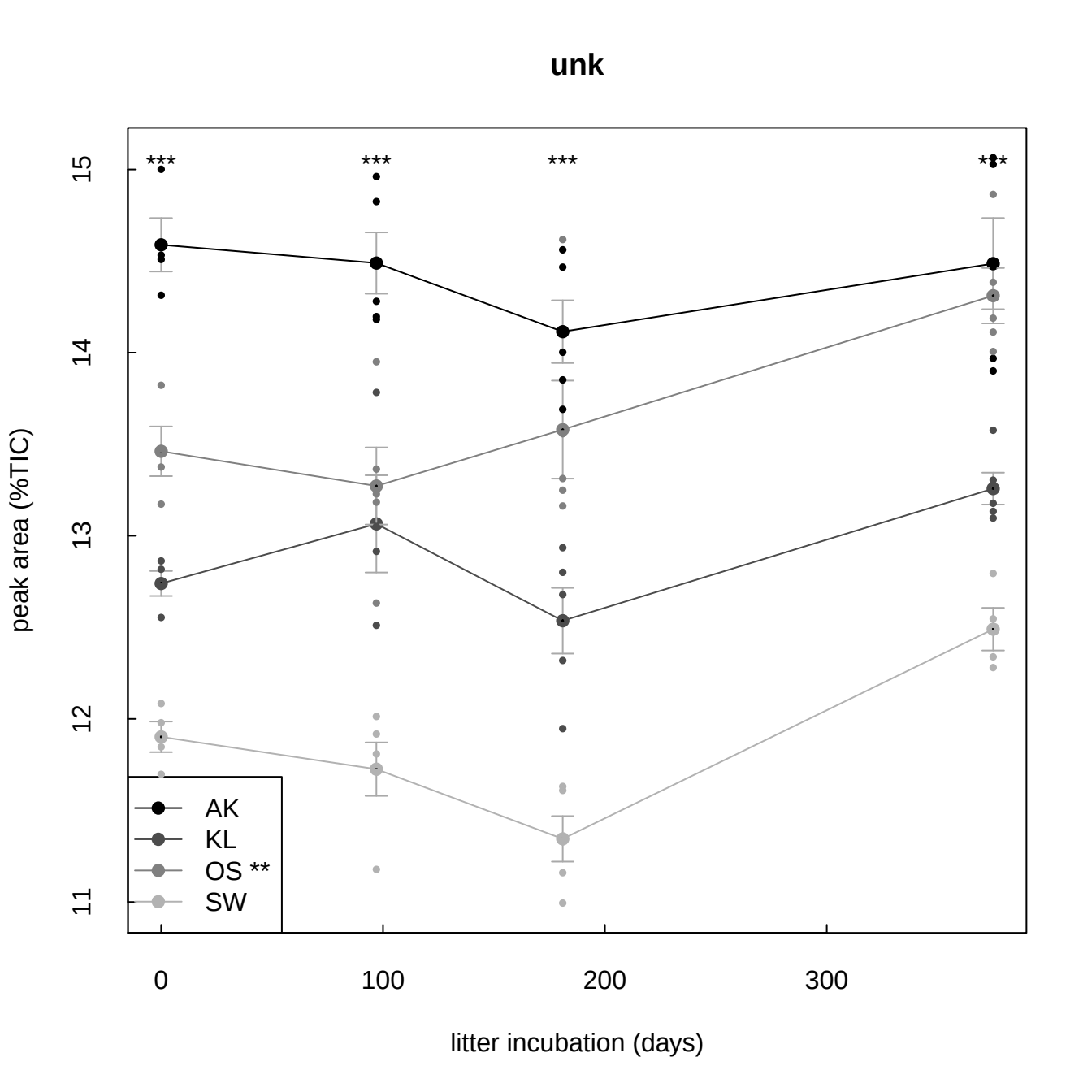

non
***
***
***
***
1.8
1.6
1.4
peak area (%sim)
AK
KL ***
OS
SW ***
0
100
200
300
litter incubation (days)

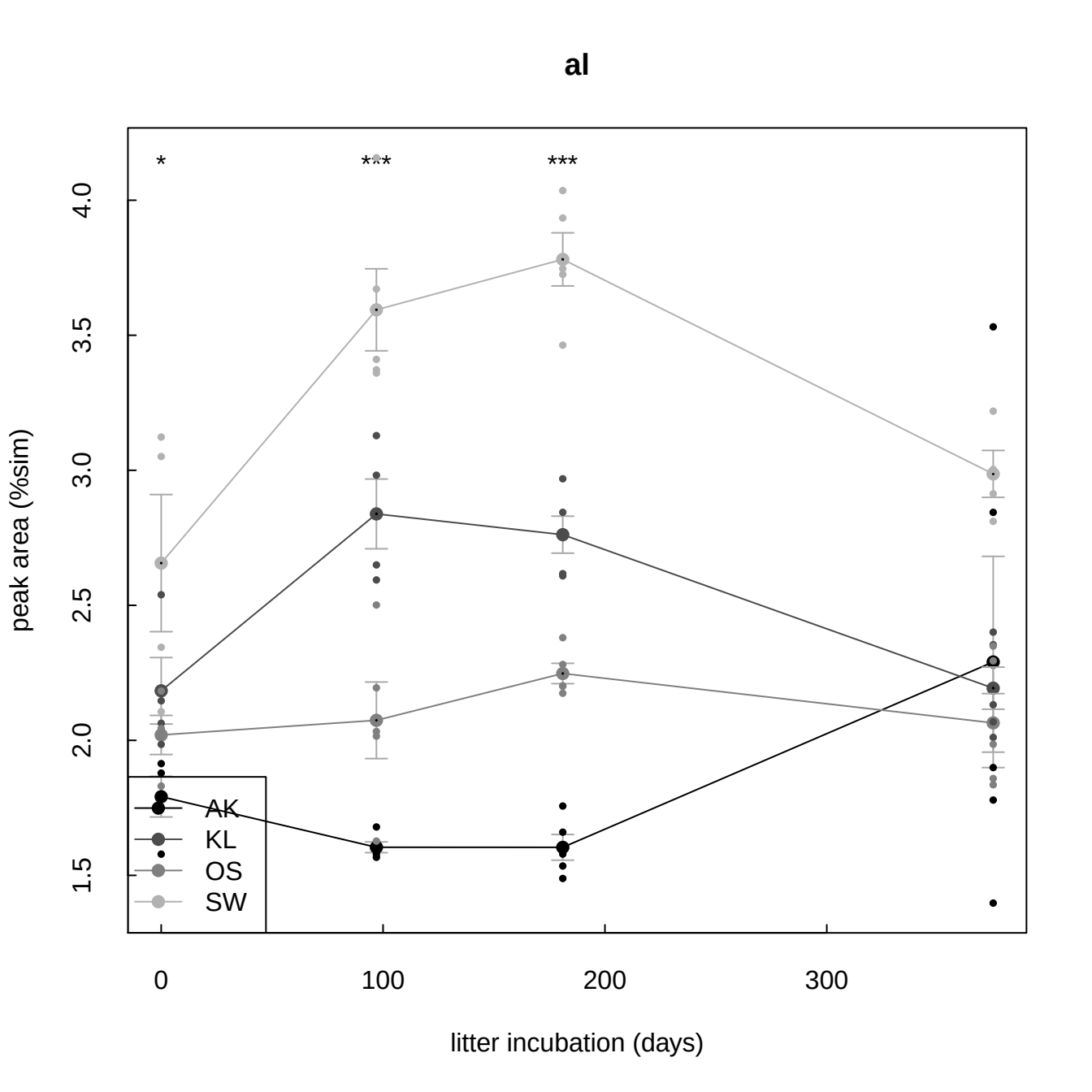

non
***
***
***
***
peak area (%TIC)
1.6
1.7
1.8
1.9
2.0
2.1
2.2
AK
KL **
OS
SW **
0
100
200
300
litter incubation (days)

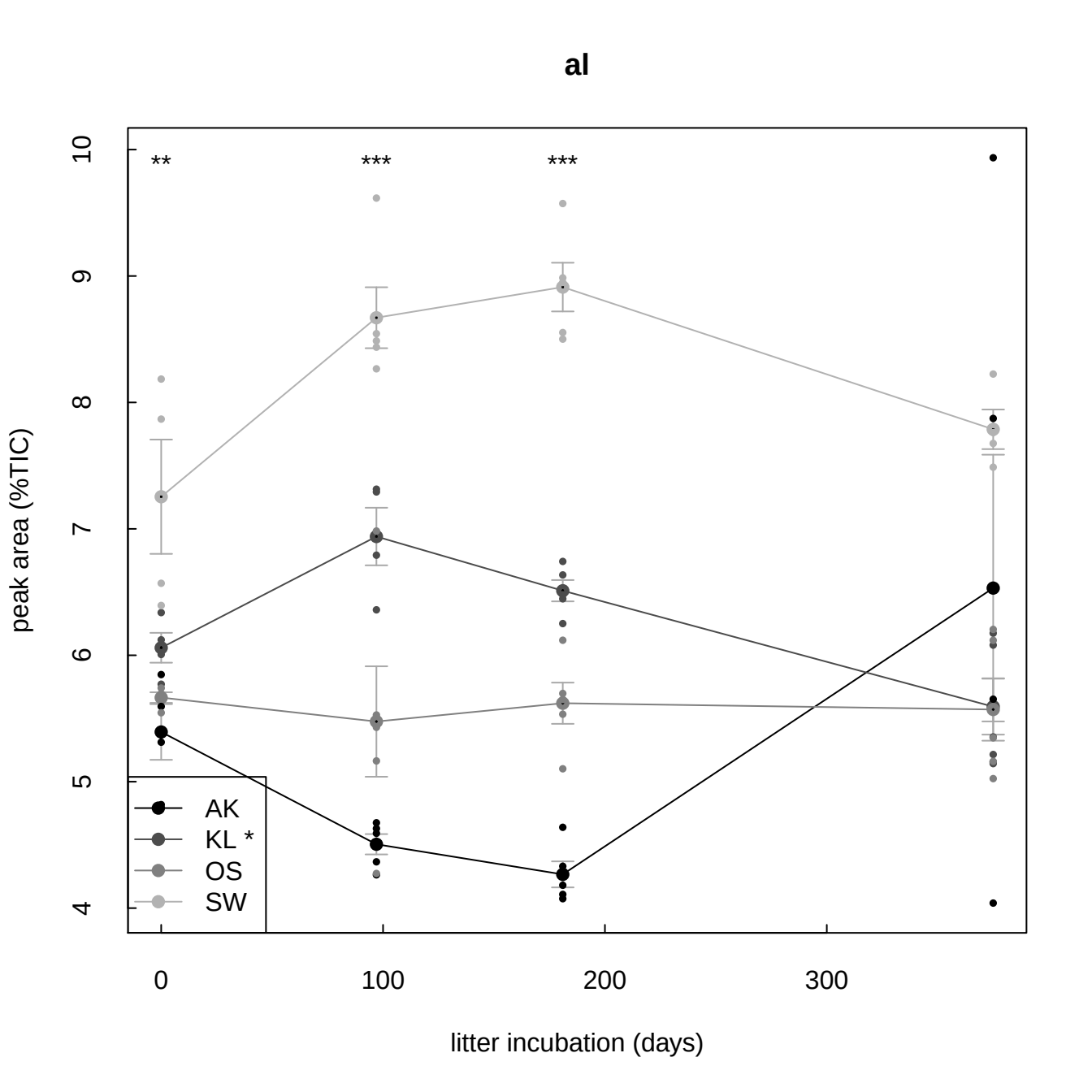

Ph
***
***
***
***
peak area (%sim)
14
16
18
20
22
24
AK
KL
OS ***
SW
0
100
200
300
litter incubation (days)

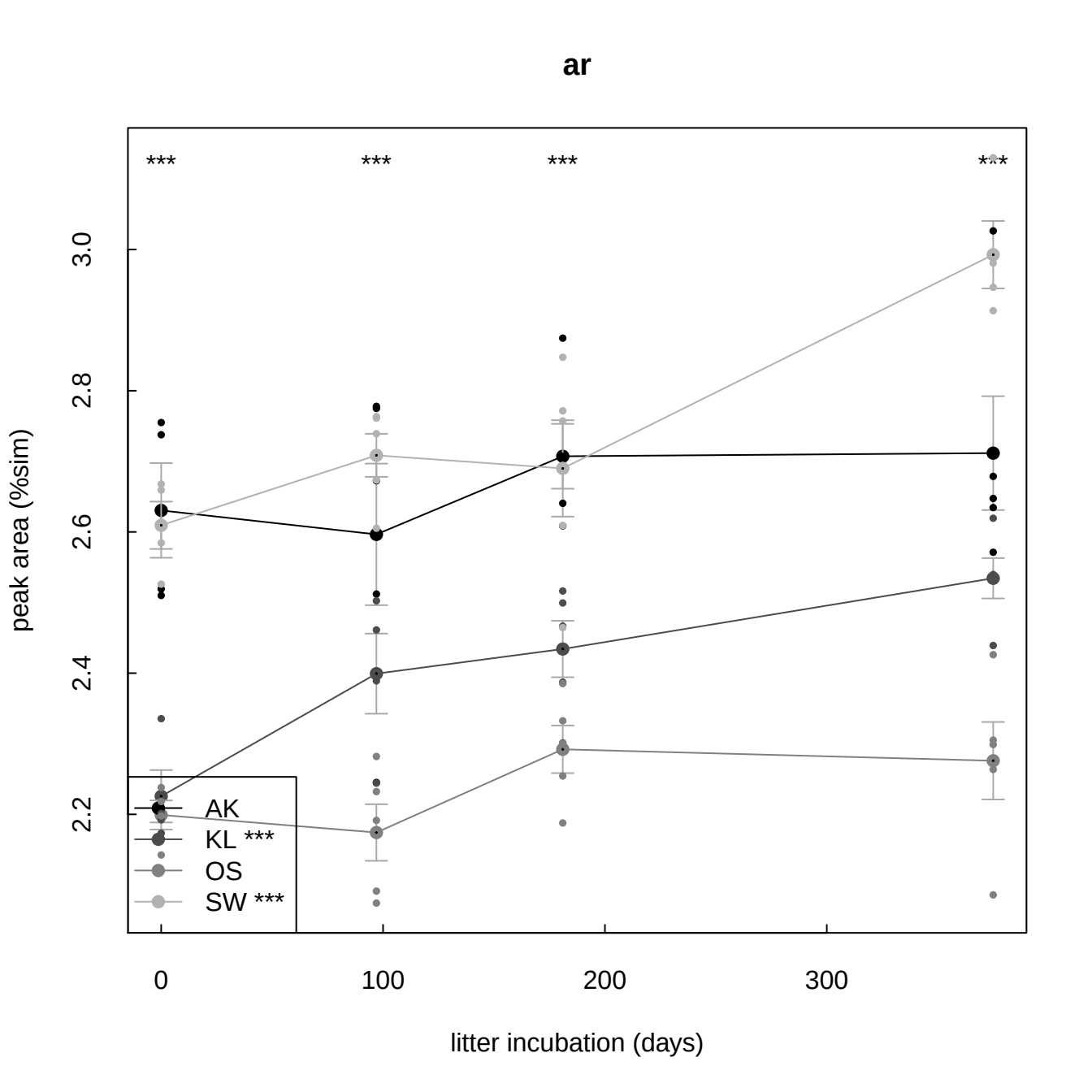

Ph
peak area (%TIC)
10
12
14
16
18
***
***
***
***
AK
KL
OS **
SW
0
100
200
300
litter incubation (days)

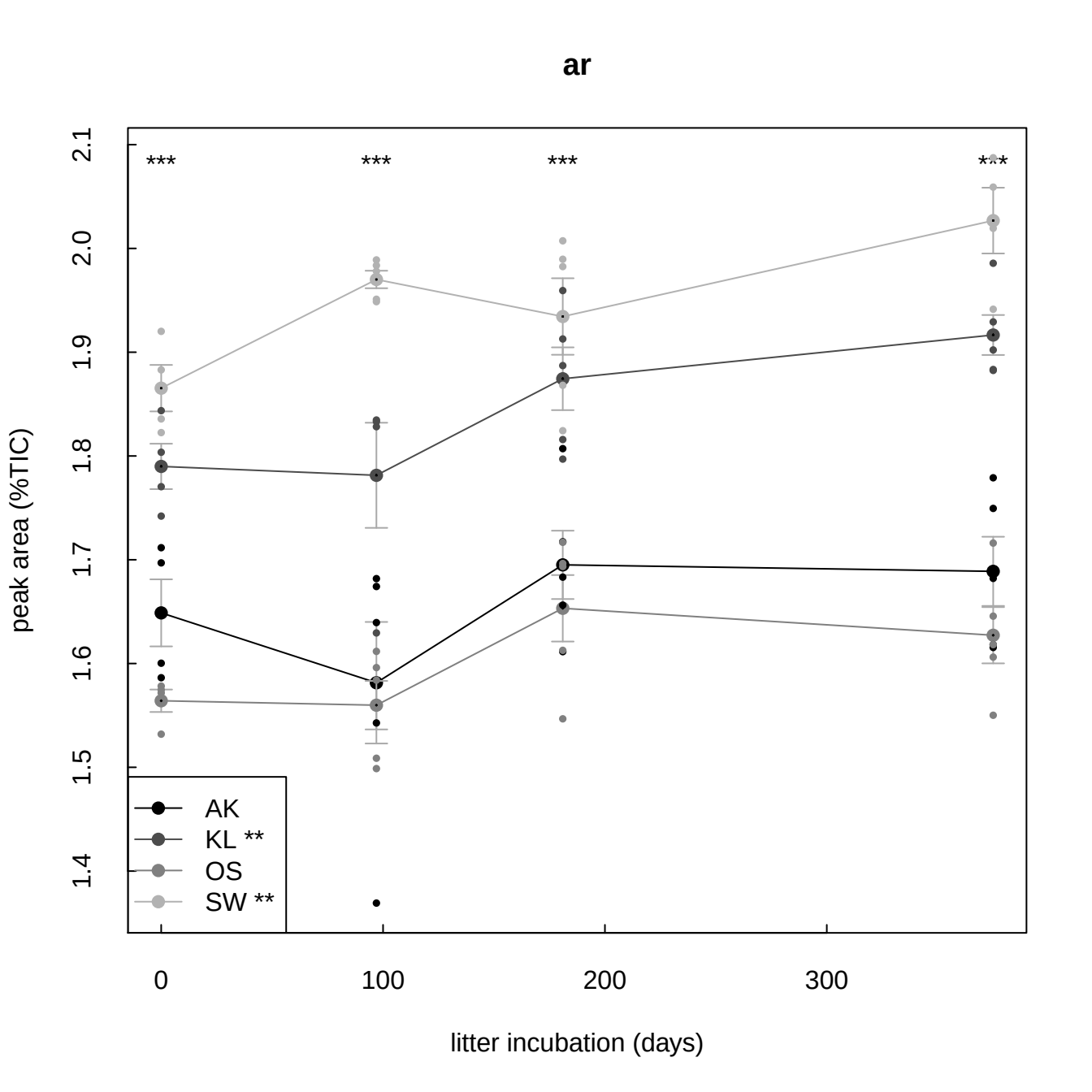

unk
***
***
***
***
12
11
10
9
peak area (%sim)
AK
KL
OS *
SW
0
100
200
300
litter incubation (days)

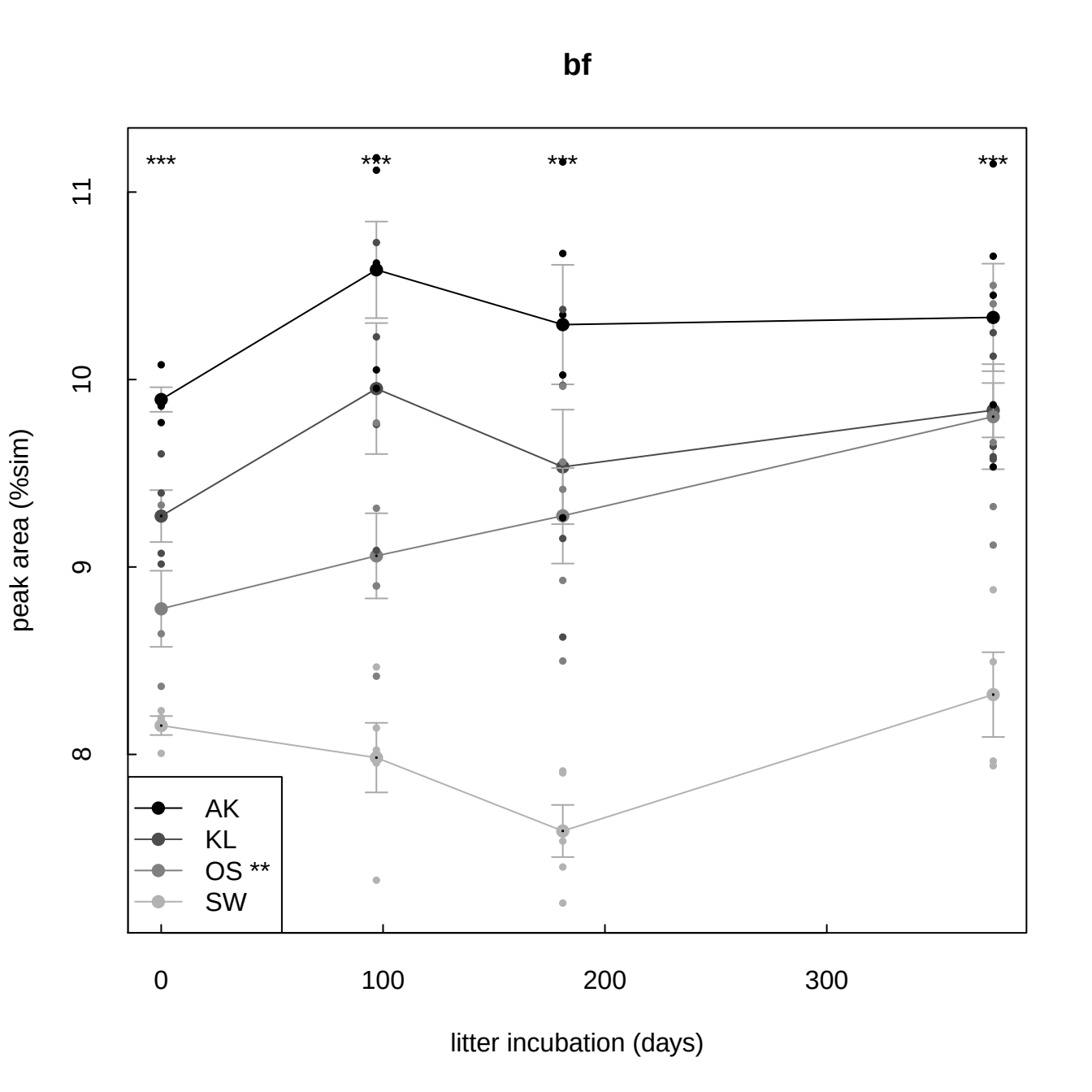

unk
***
***
***
**
peak area (%TIC)
15
14
13
12
11
AK
KL
OS **
SW
0
100
200
300
litter incubation (days)

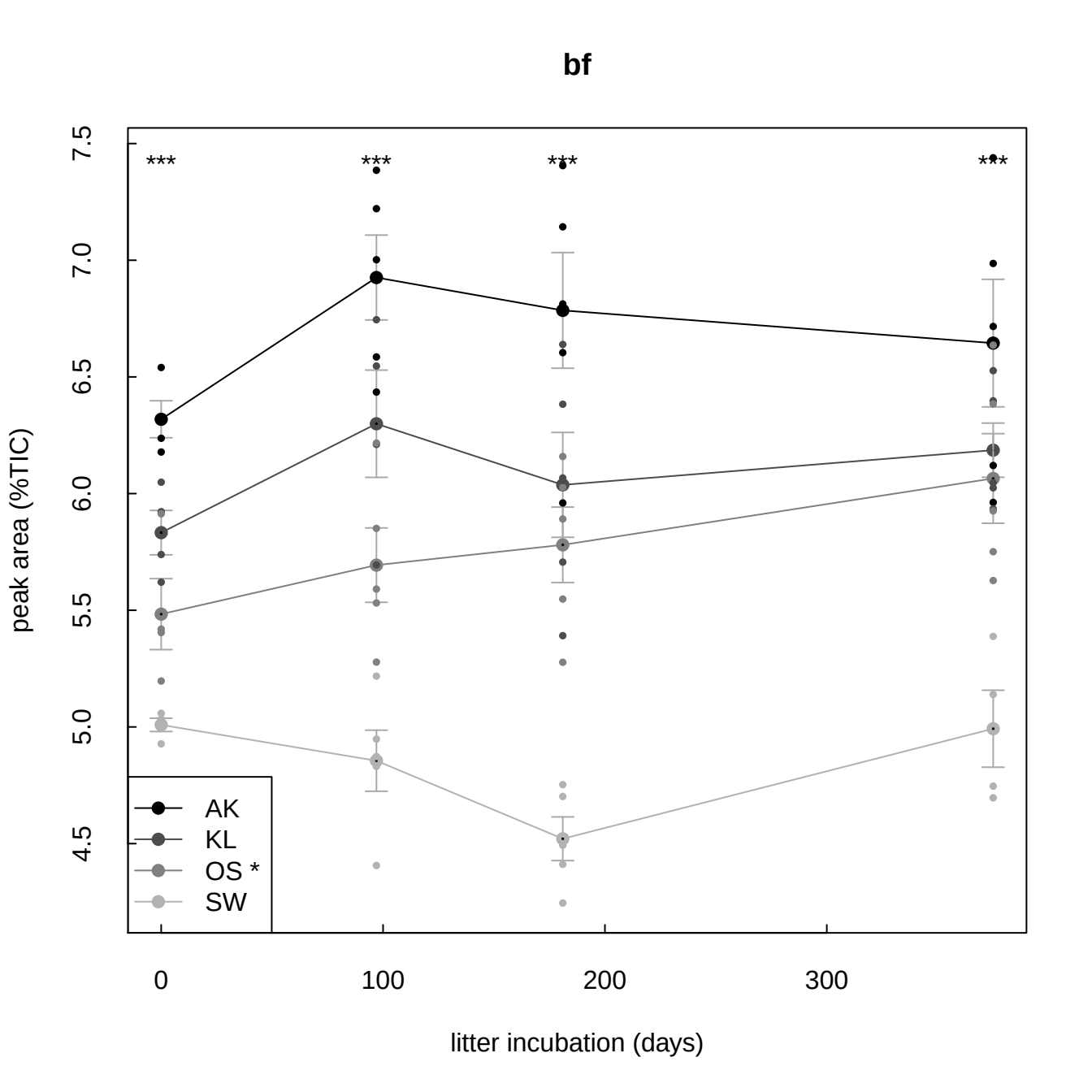

al
*
***
***
peak area (%sim)
4.0
3.5
3.0
2.5
2.0
1.5
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

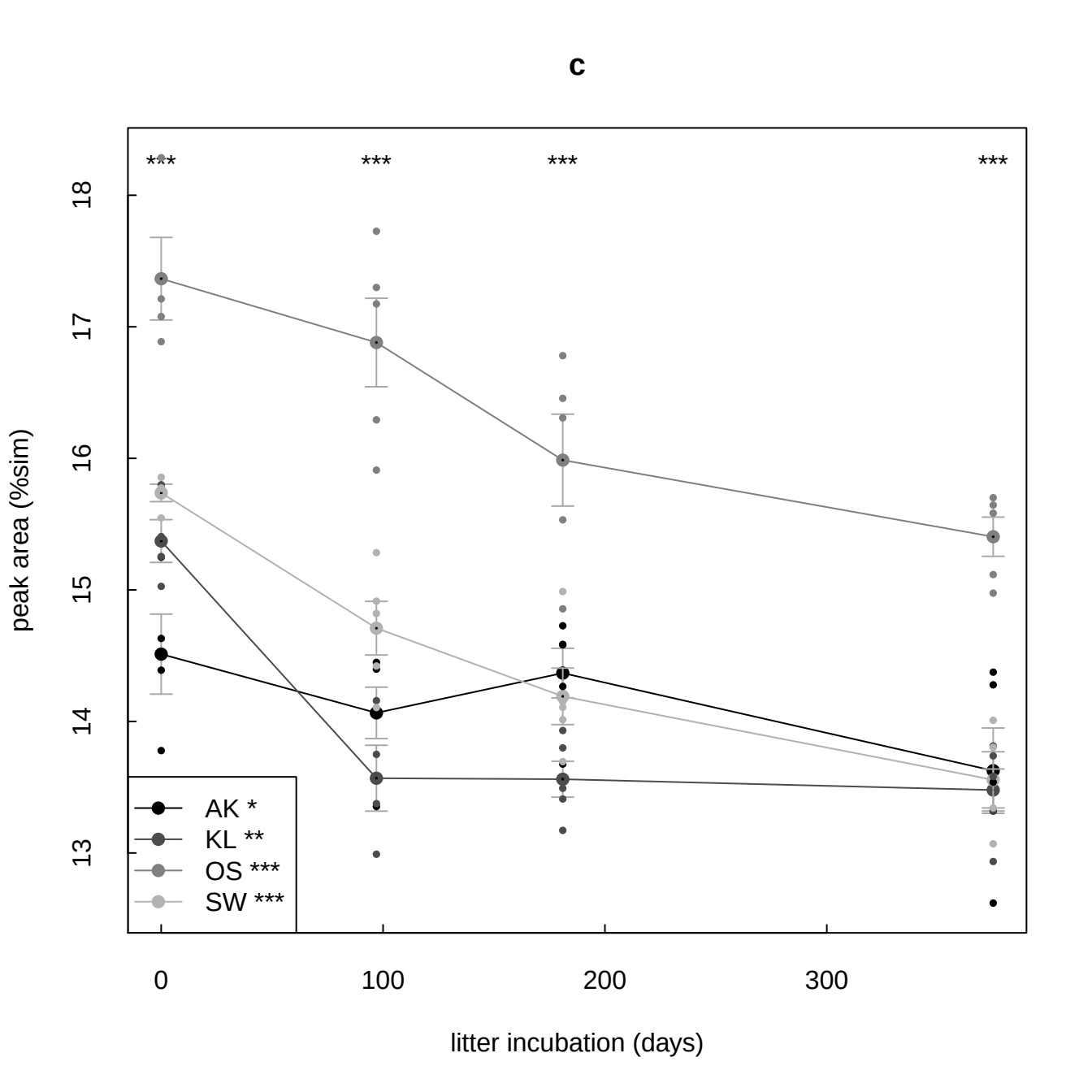

al
**
***
***
peak area (%TIC)
4
5
6
7
8
9
10
AK
KL *
OS
SW
0
100
200
300
litter incubation (days)

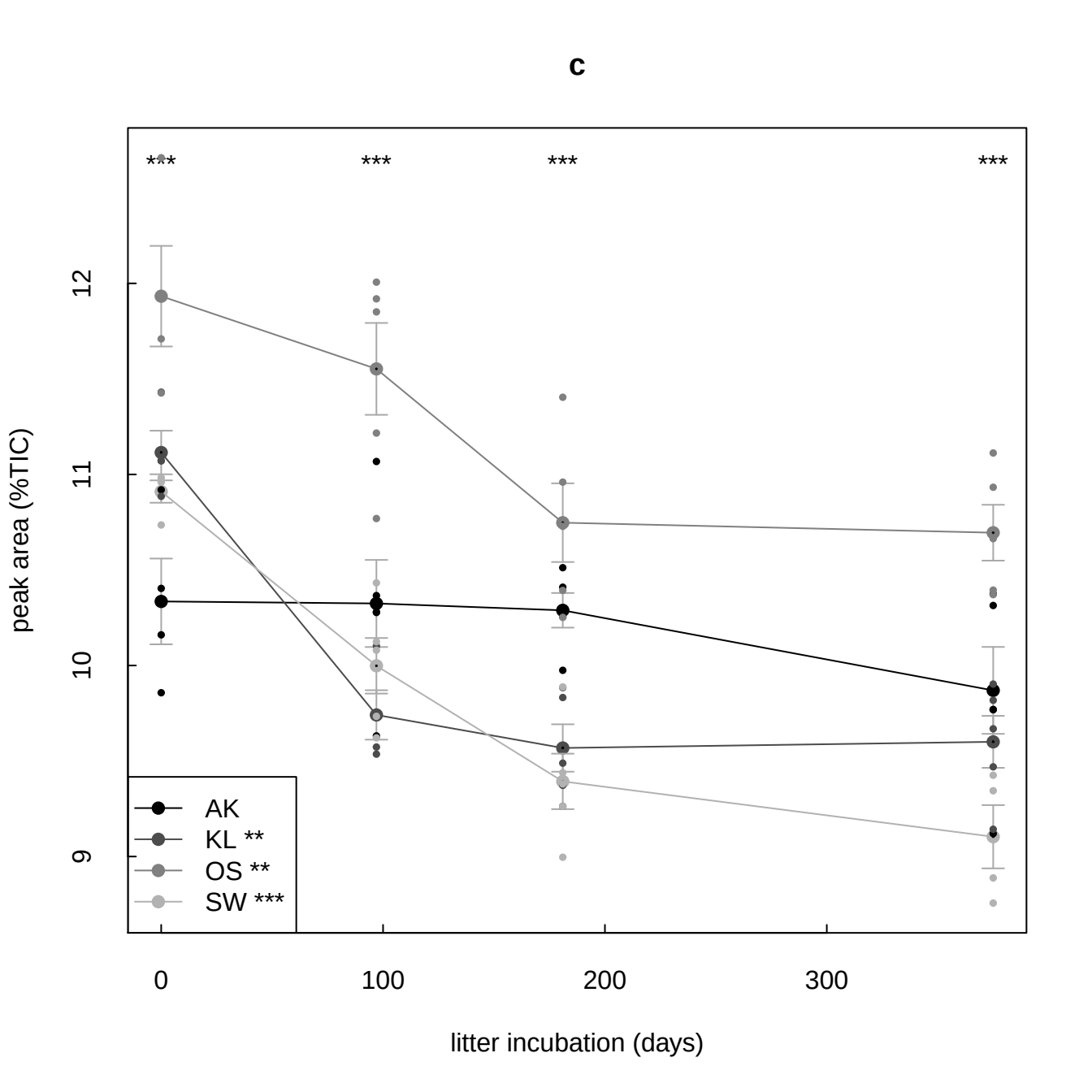

ar
***
***
***
***
3.0
2.8
2.6
2.4
2.2
peak area (%sim)
AK
KL ***
OS
SW ***
0
100
200
300
litter incubation (days)

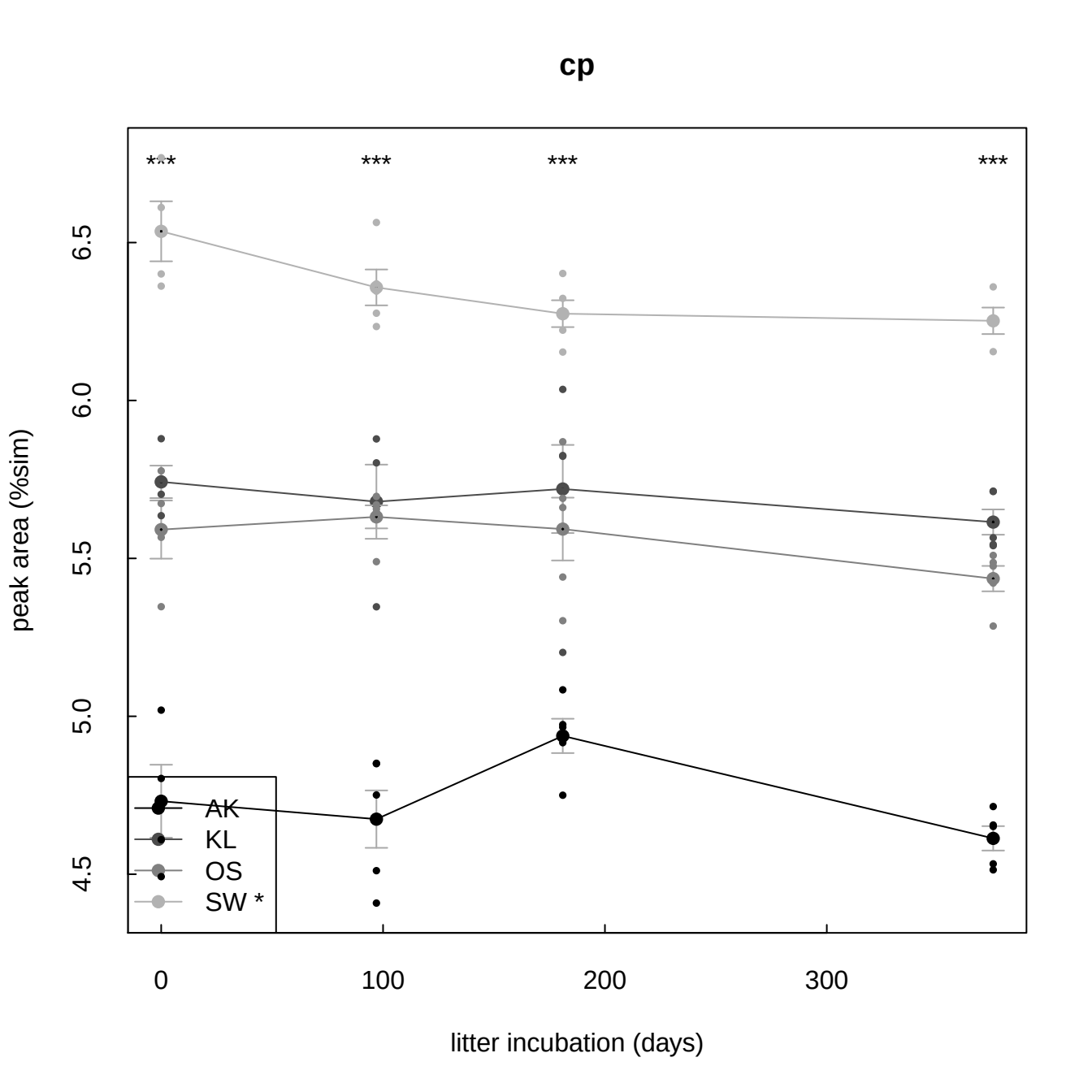

ar
***
***
***
***
AK
KL **
OS
SW **
peak area (%TIC)
litter incubation (days)
0
100
200
300
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1

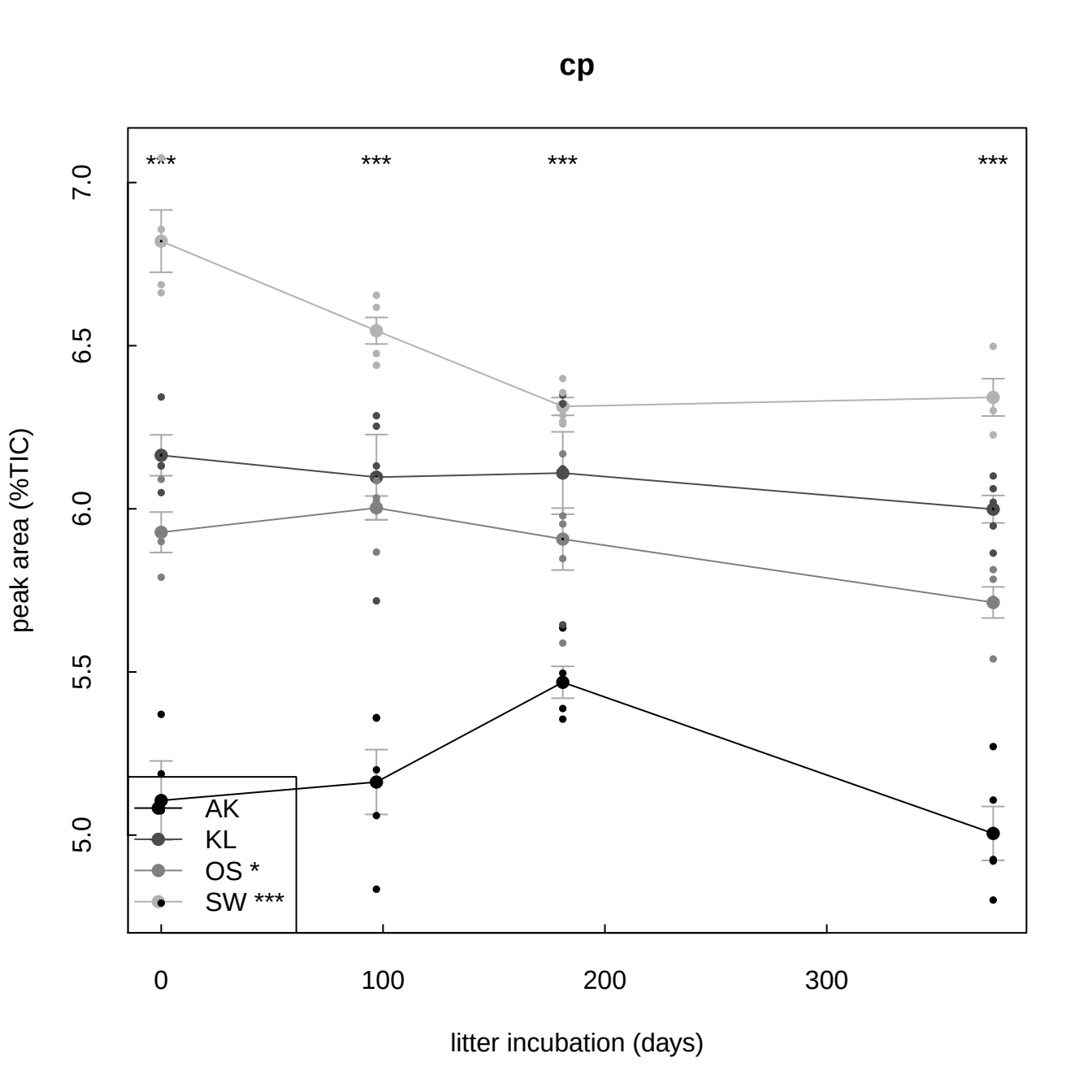

bf
***
***
***
***
11
10
9
8
peak area (%sim)
AK
KL
OS **
SW
0
100
200
300
litter incubation (days)

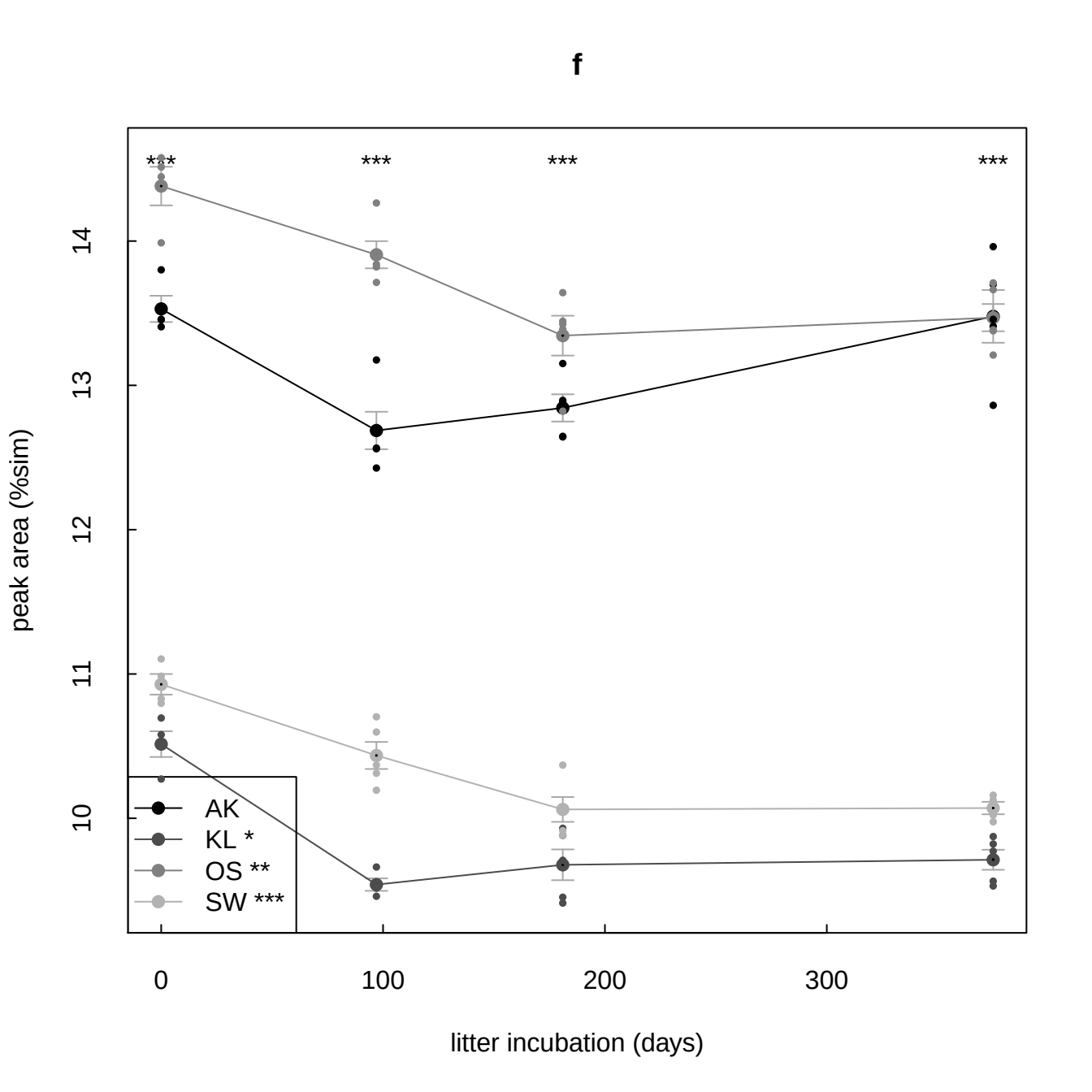

bf
peak area (%TIC)
litter incubation (days)
***
***
***
***
AK
KL
OS *
SW
0
100
200
300
4.5
5.0
5.5
6.0
6.5
7.0
7.5

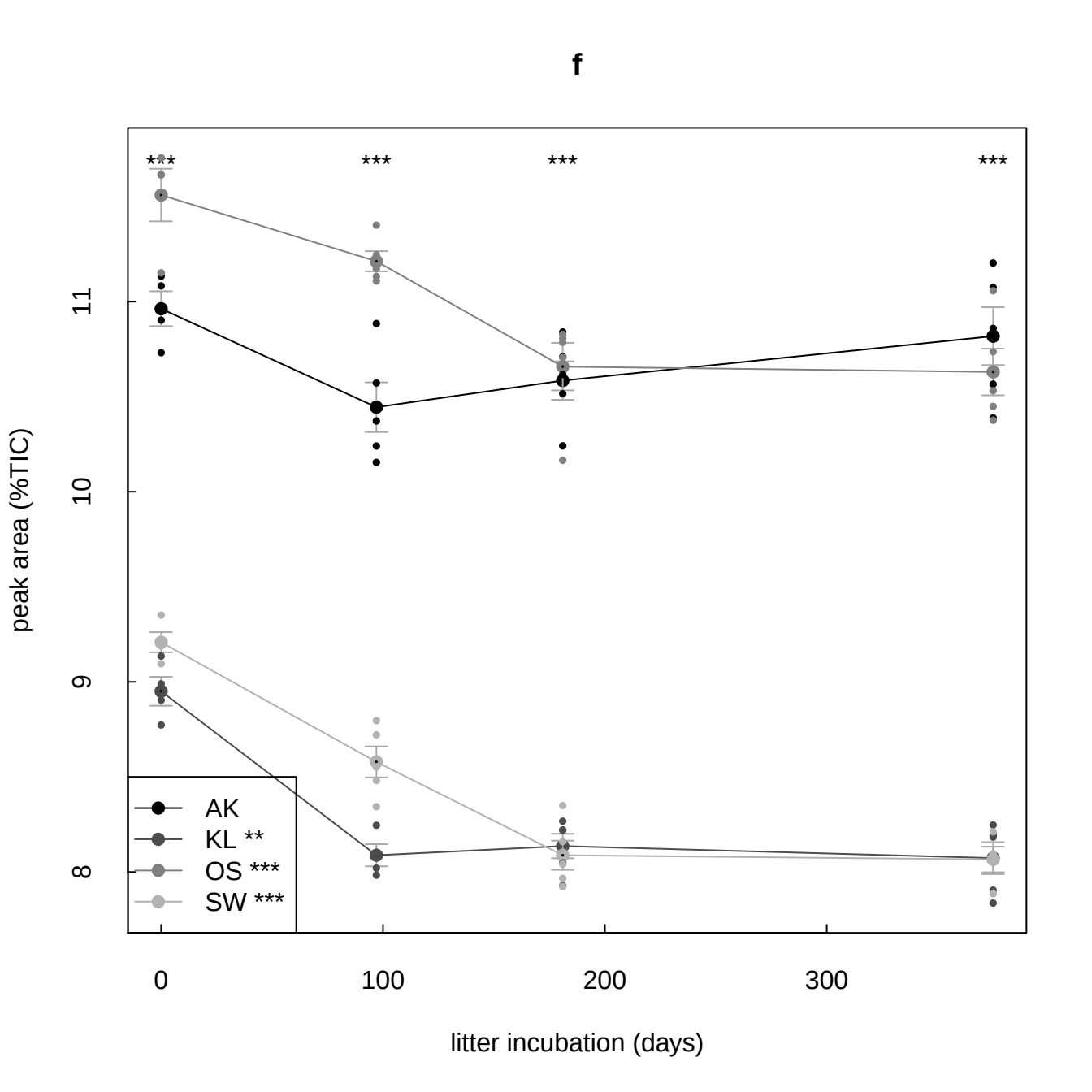

c
***
***
***
***
peak area (%sim)
13
14
15
16
17
18
AK *
KL **
OS ***
SW ***
0
100
200
300
litter incubation (days)

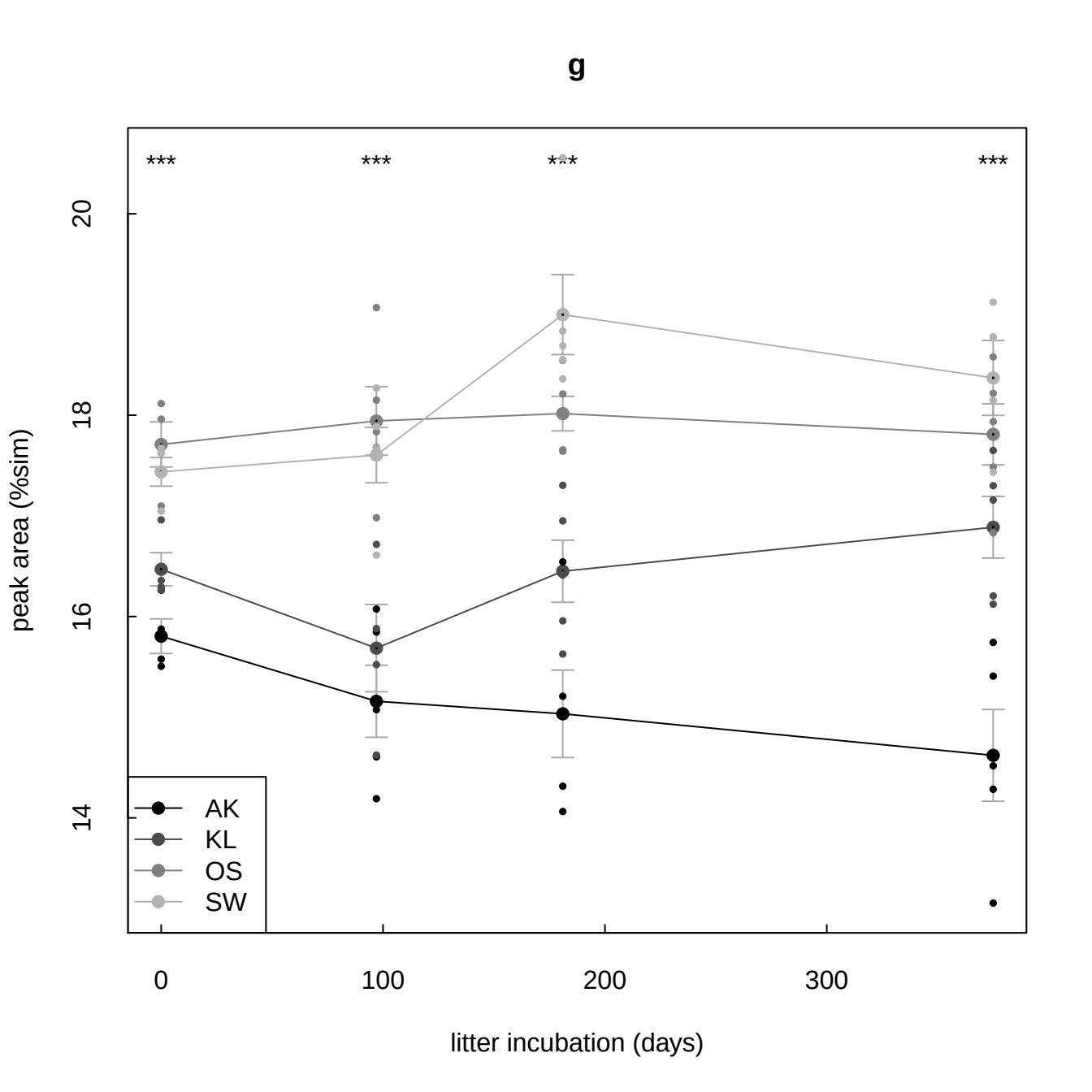

c
***
***
***
***
peak area (%TIC)
9
10
11
12
AK
KL **
OS **
SW ***
0
100
200
300
litter incubation (days)

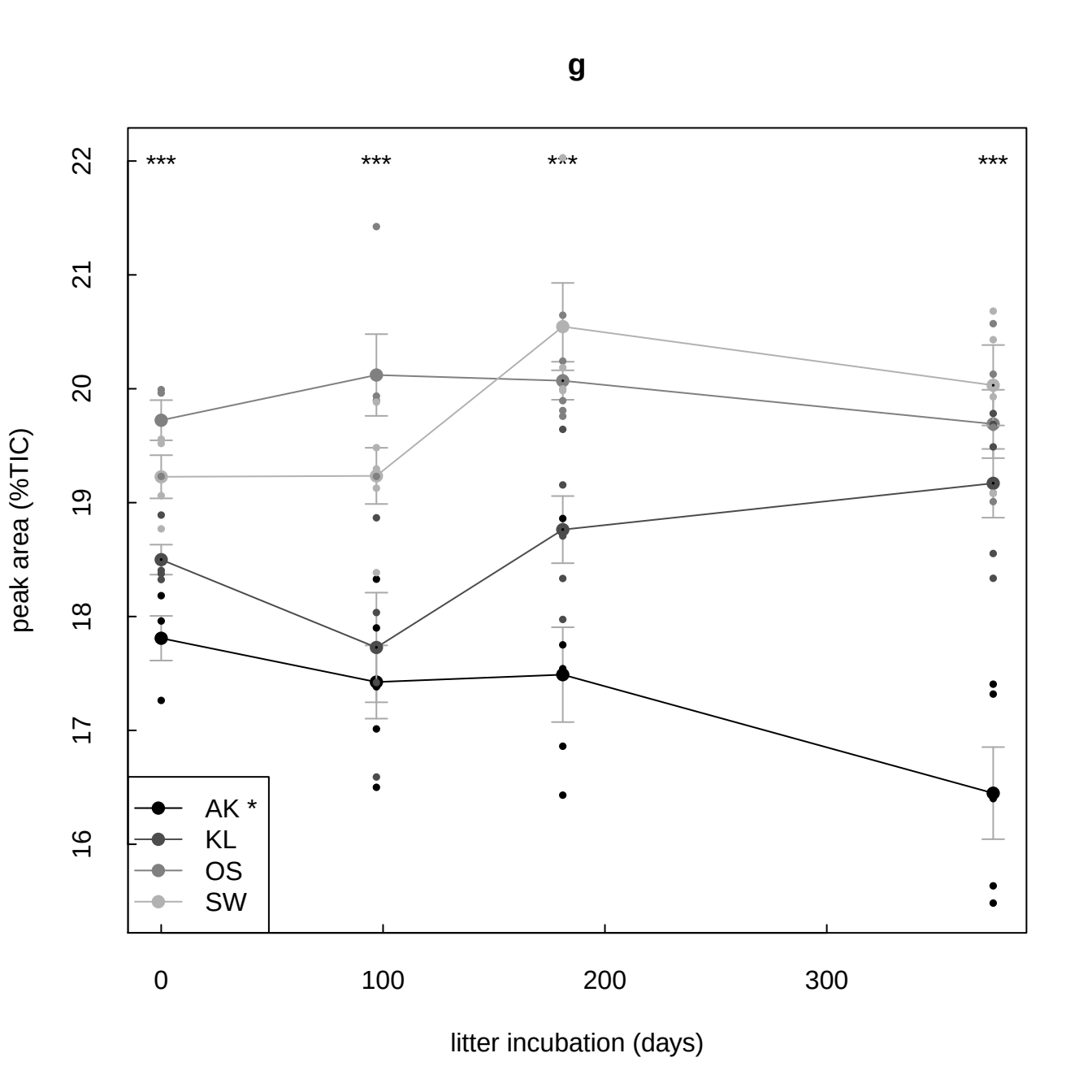

cp
***
***
***
***
6.5
6.0
5.5
5.0
4.5
peak area (%sim)
AK
KL
OS
SW *
0
100
200
300
litter incubation (days)

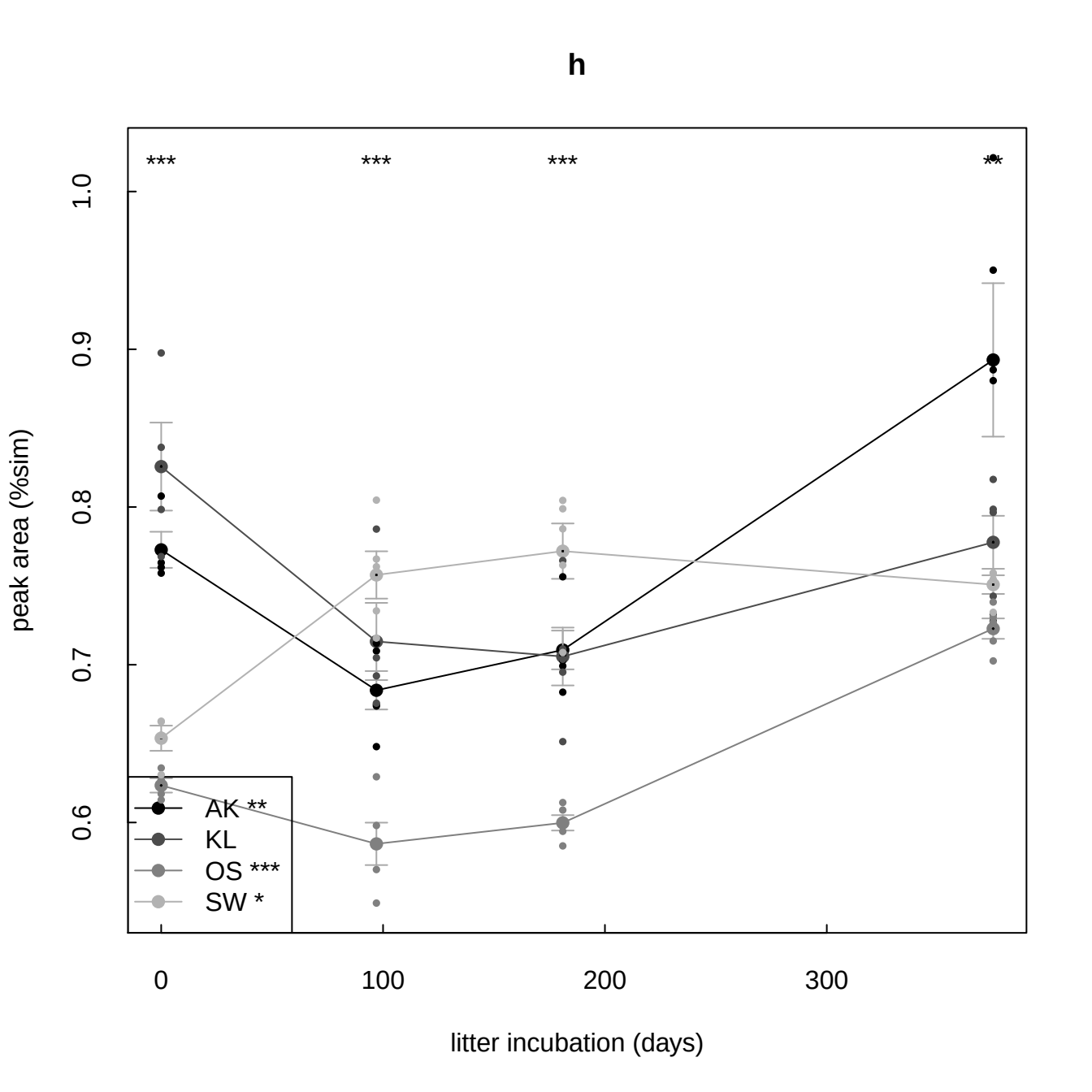

cp
***
***
***
***
7.0
6.5
6.0
5.5
5.0
peak area (%TIC)
AK
KL
OS *
SW ***
0
100
200
300
litter incubation (days)

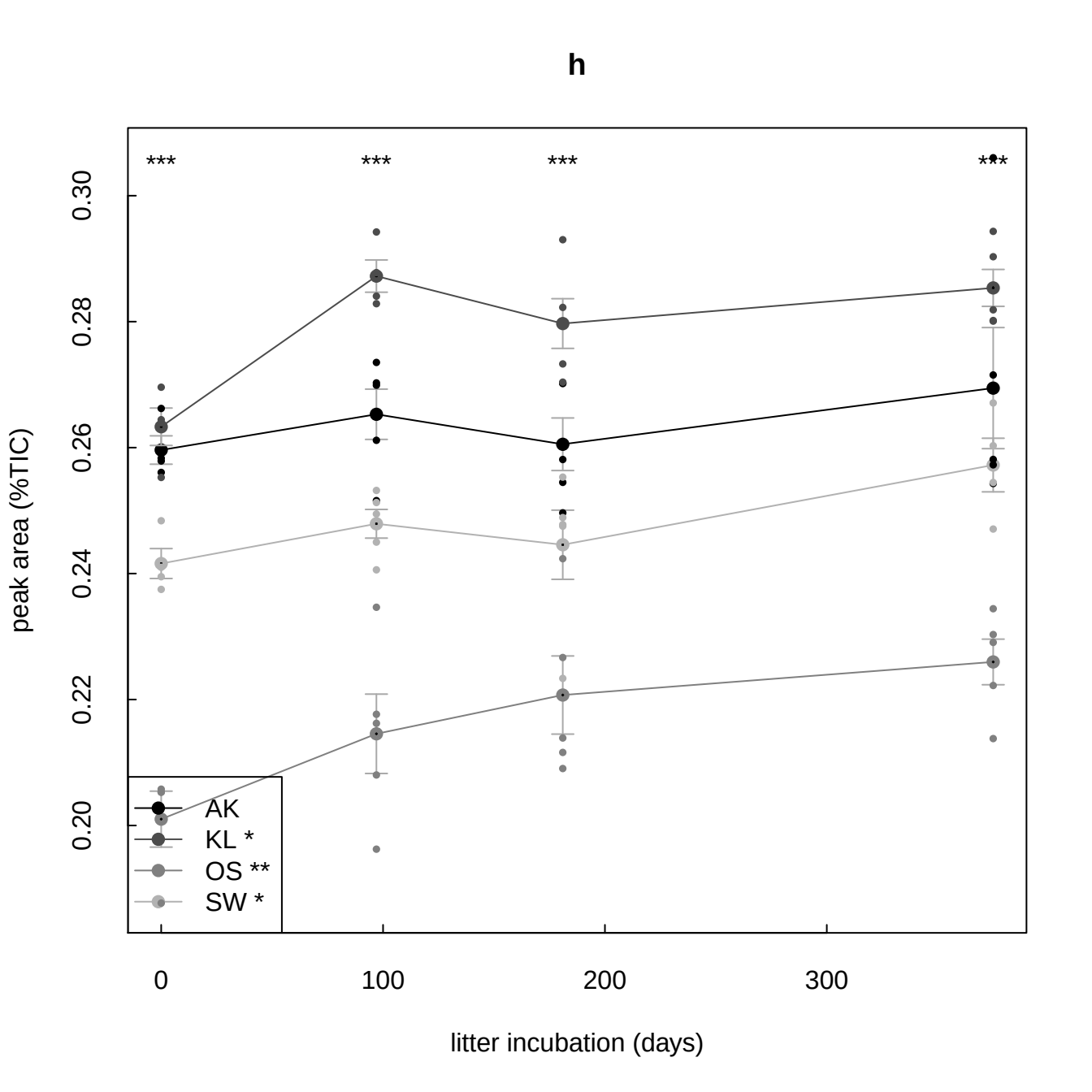

f
***
***
***
***
peak area (%sim)
10
11
12
13
14
AK
KL *
OS **
SW ***
0
100
200
300
litter incubation (days)

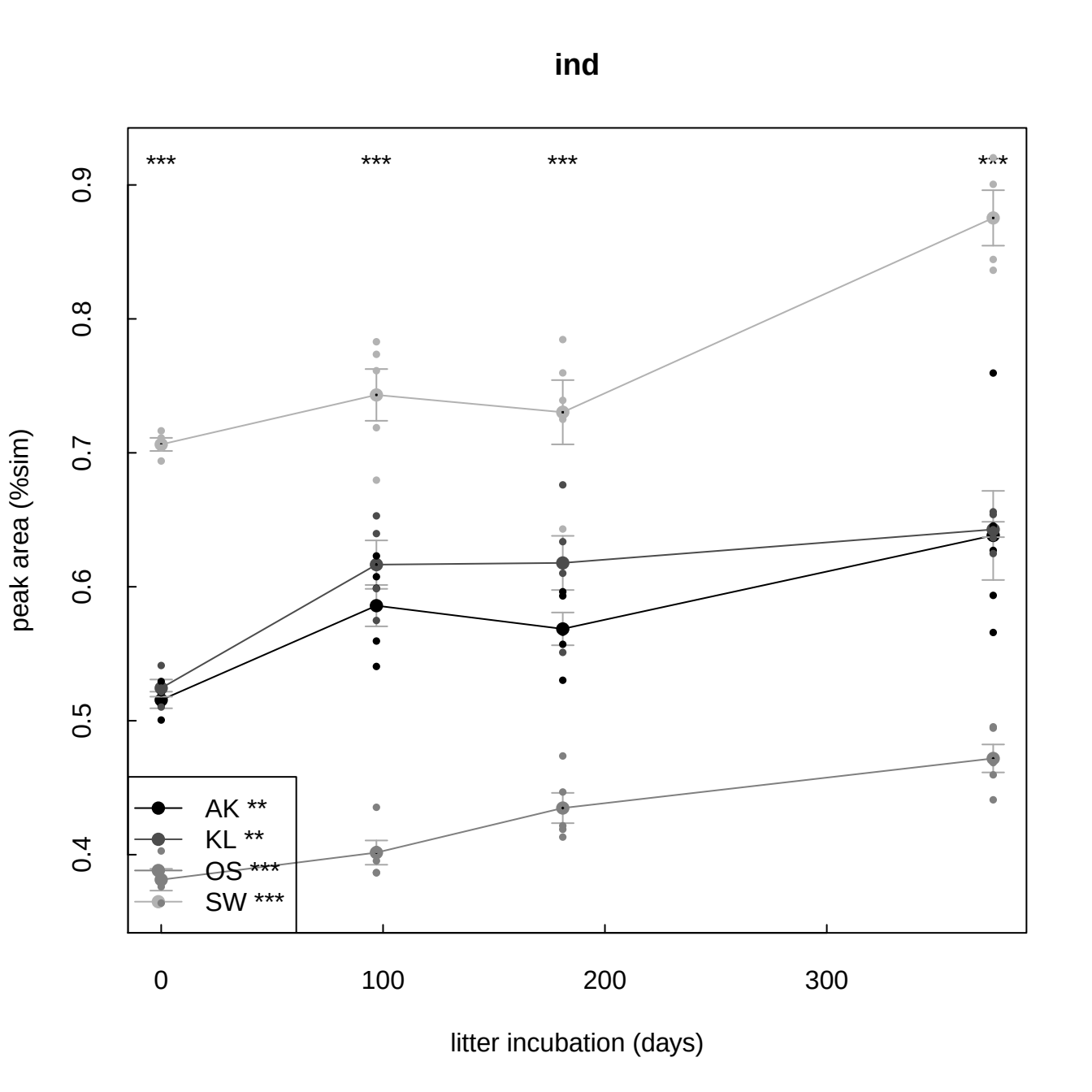

f
***
***
***
***
AK
KL **
OS ***
SW ***
peak area (%TIC)
8
9
10
11
0
100
200
300
litter incubation (days)

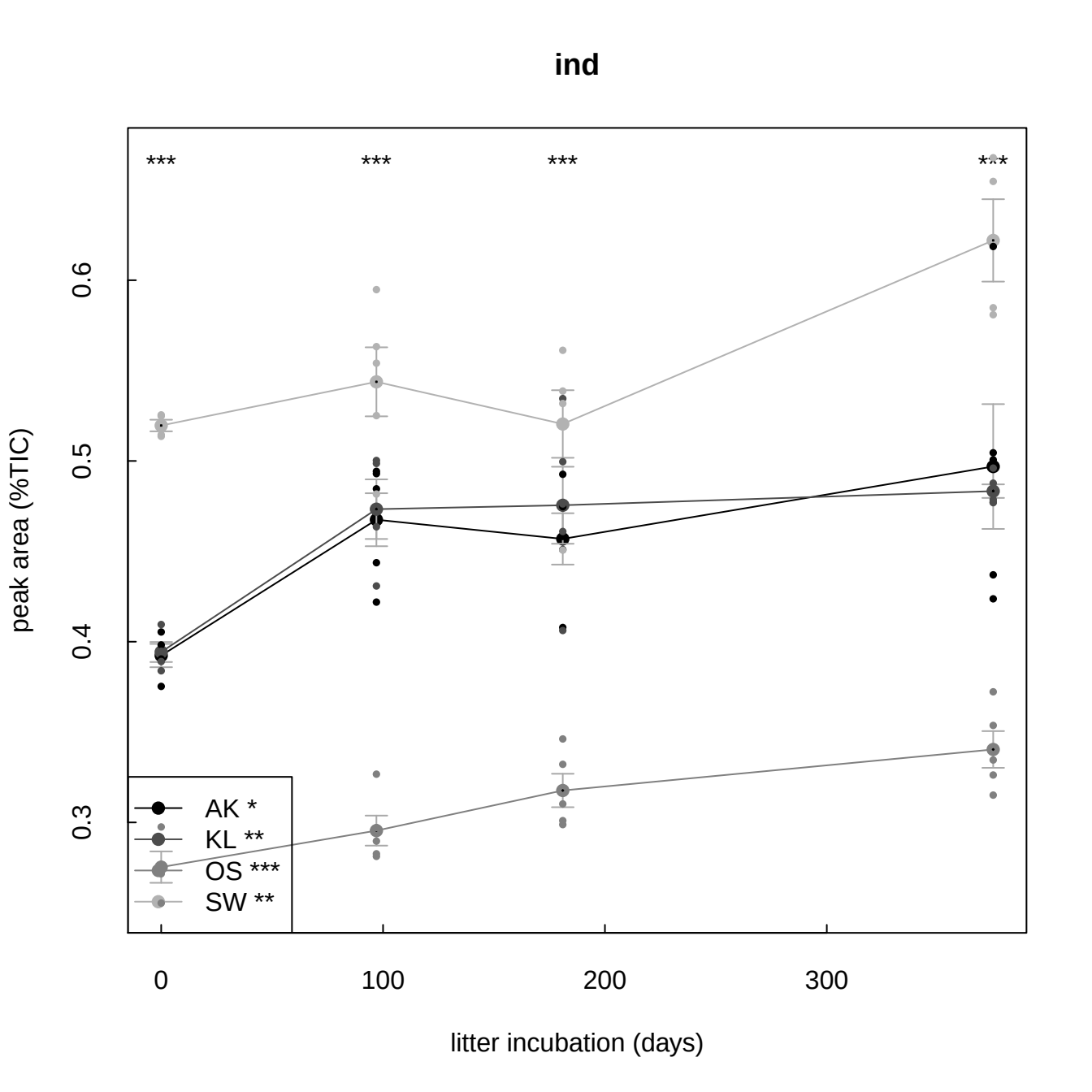

g
***
***
***
***
20
18
16
14
peak area (%sim)
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

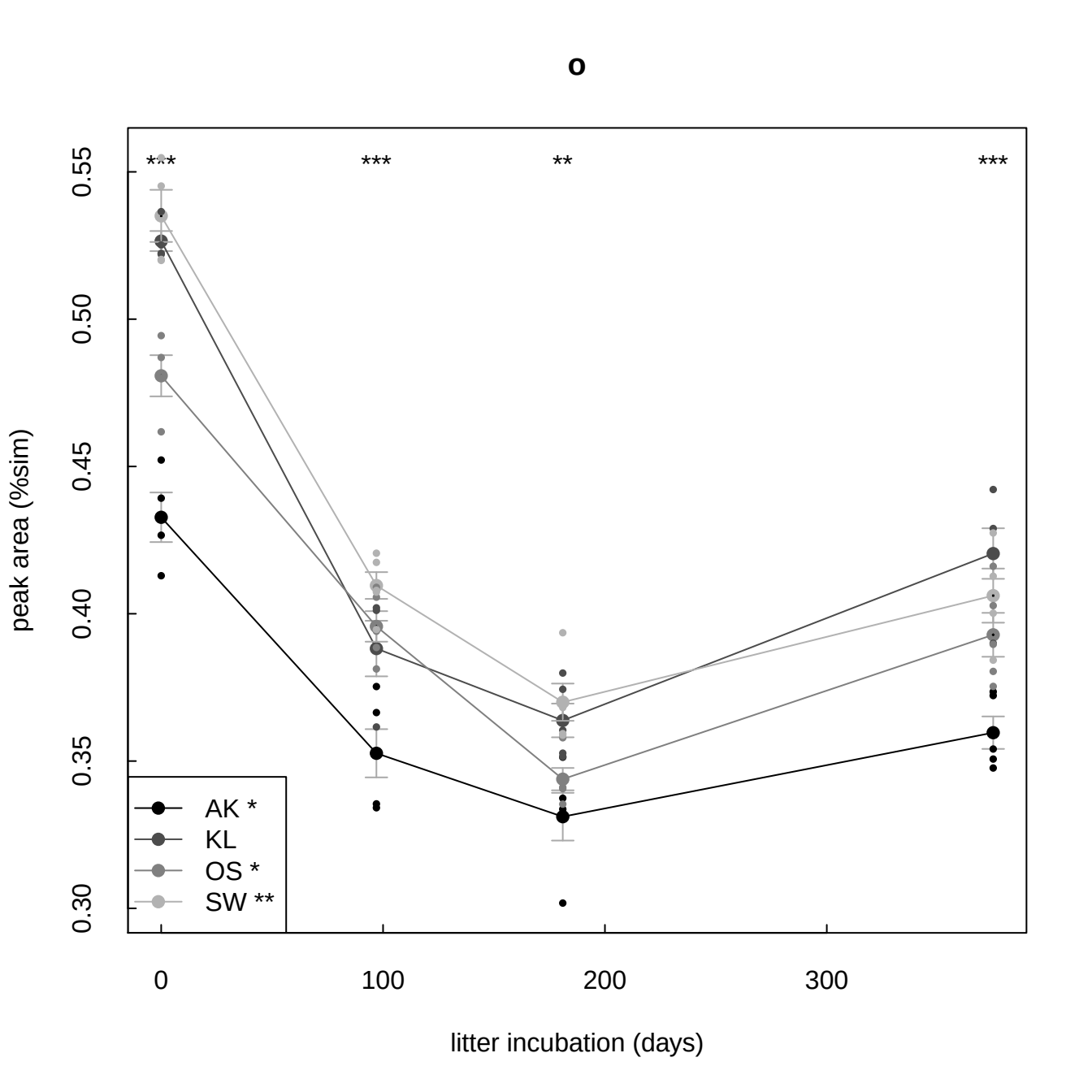

g
***
***
***
***
22
21
20
19
18
17
16
peak area (%TIC)
AK *
KL
OS
SW
0
100
200
300
litter incubation (days)

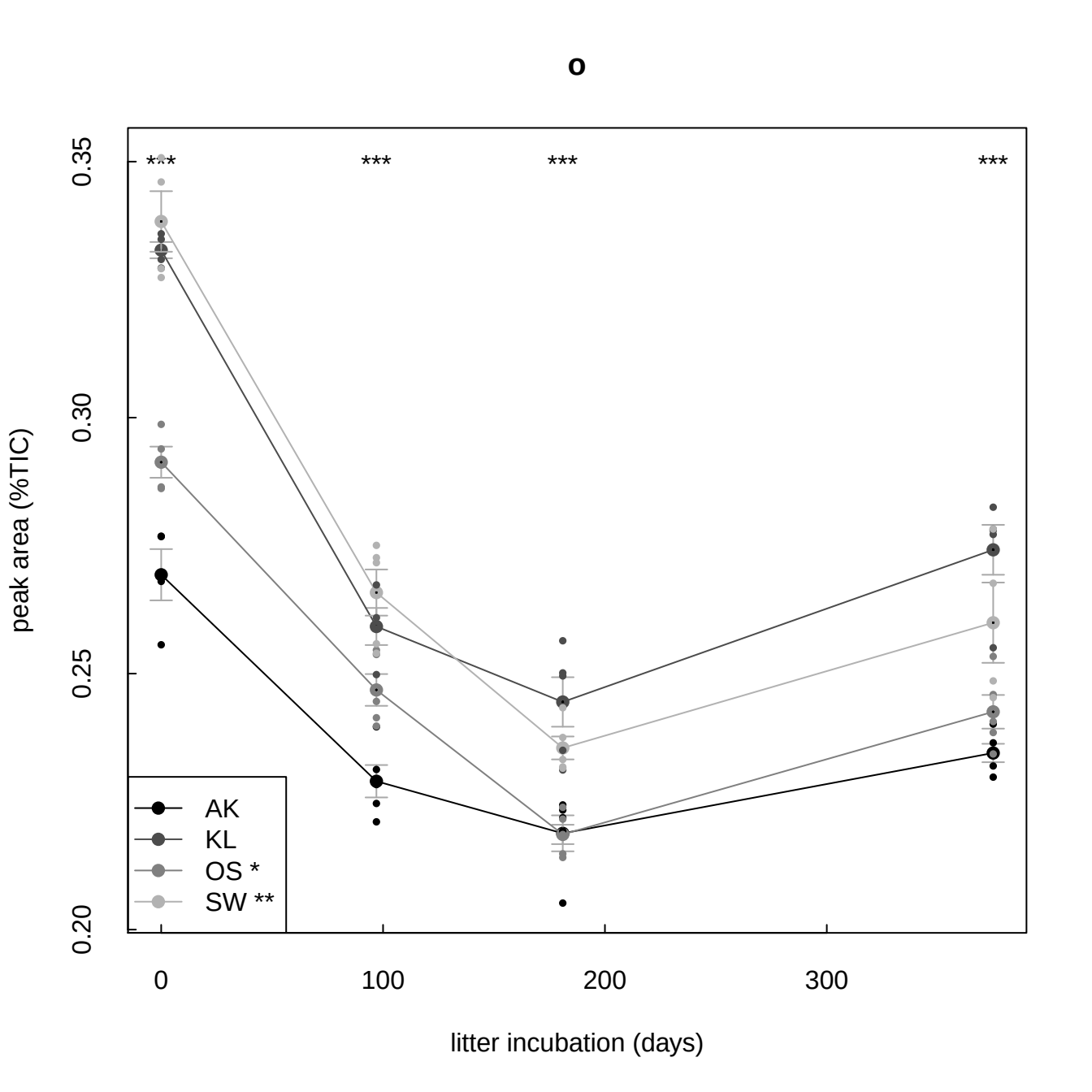

h
***
***
***
**
1.0
0.9
0.8
0.7
0.6
peak area (%sim)
AK **
KL
OS ***
SW *
0
100
200
300
litter incubation (days)

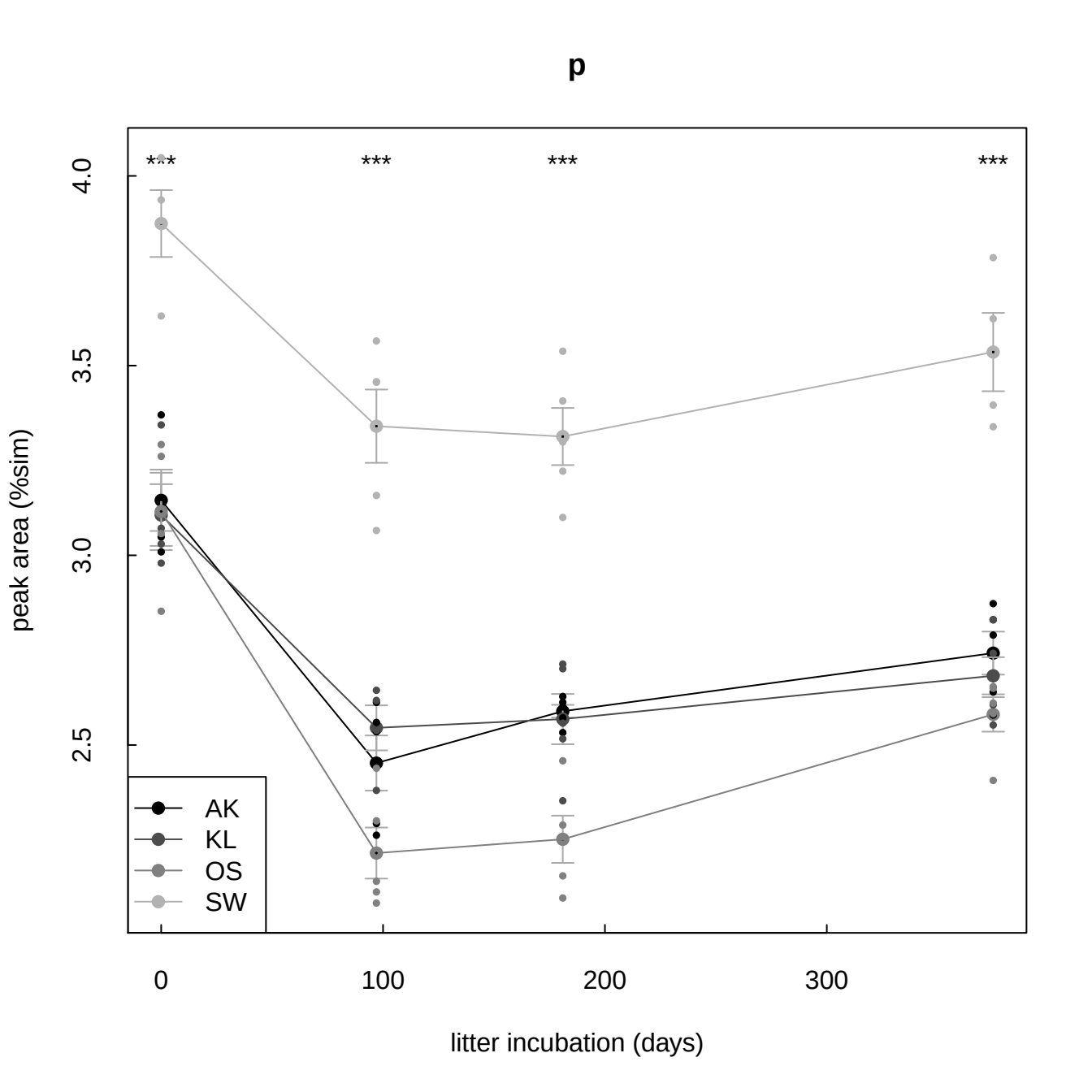

h
***
***
***
***
0.20
0.22
0.24
0.26
0.28
0.30
peak area (%TIC)
AK
KL *
OS **
SW *
0
100
200
300
litter incubation (days)

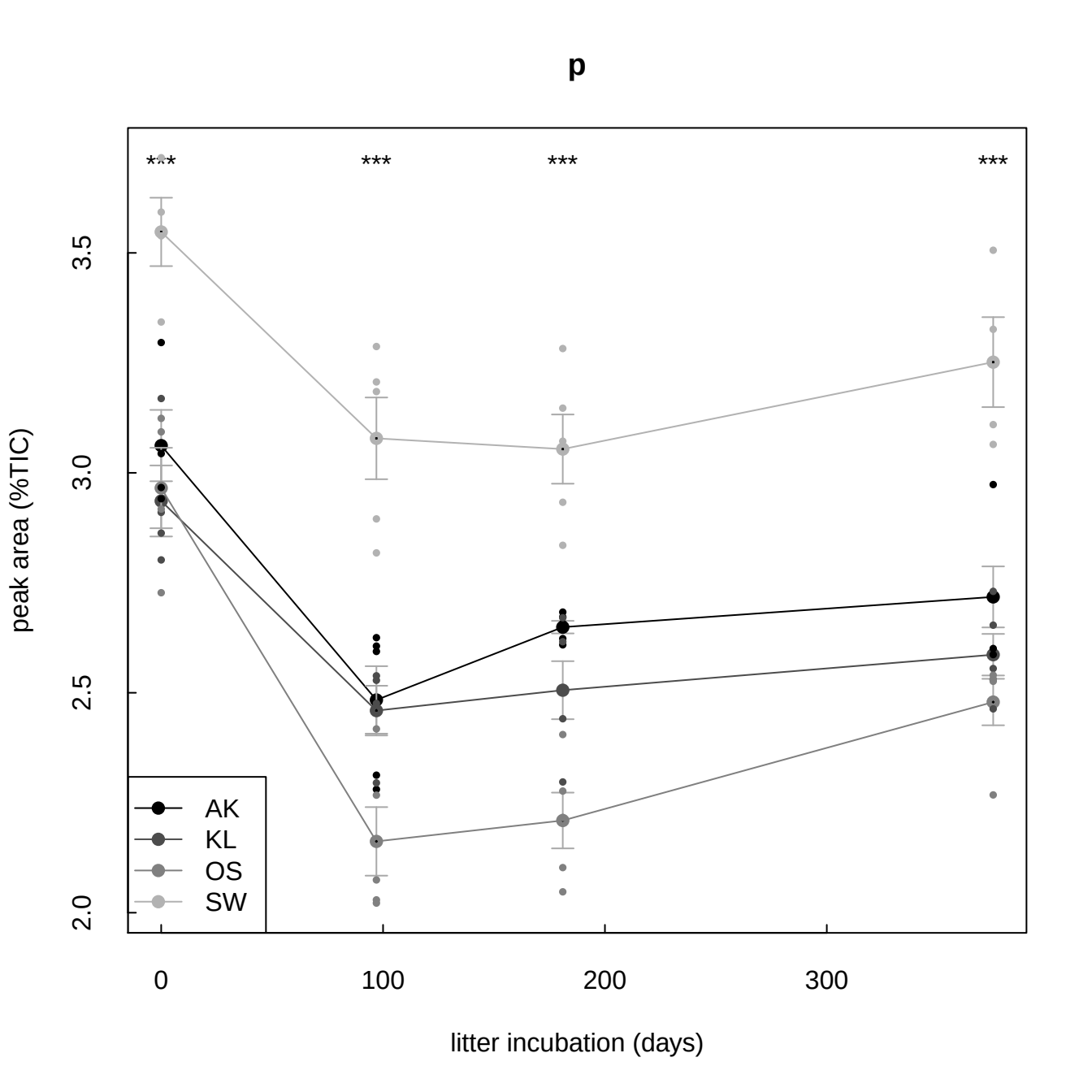

ind
***
***
***
***
peak area (%sim)
0.4
0.5
0.6
0.7
0.8
0.9
AK **
KL **
OS ***
SW ***
0
100
200
300
litter incubation (days)

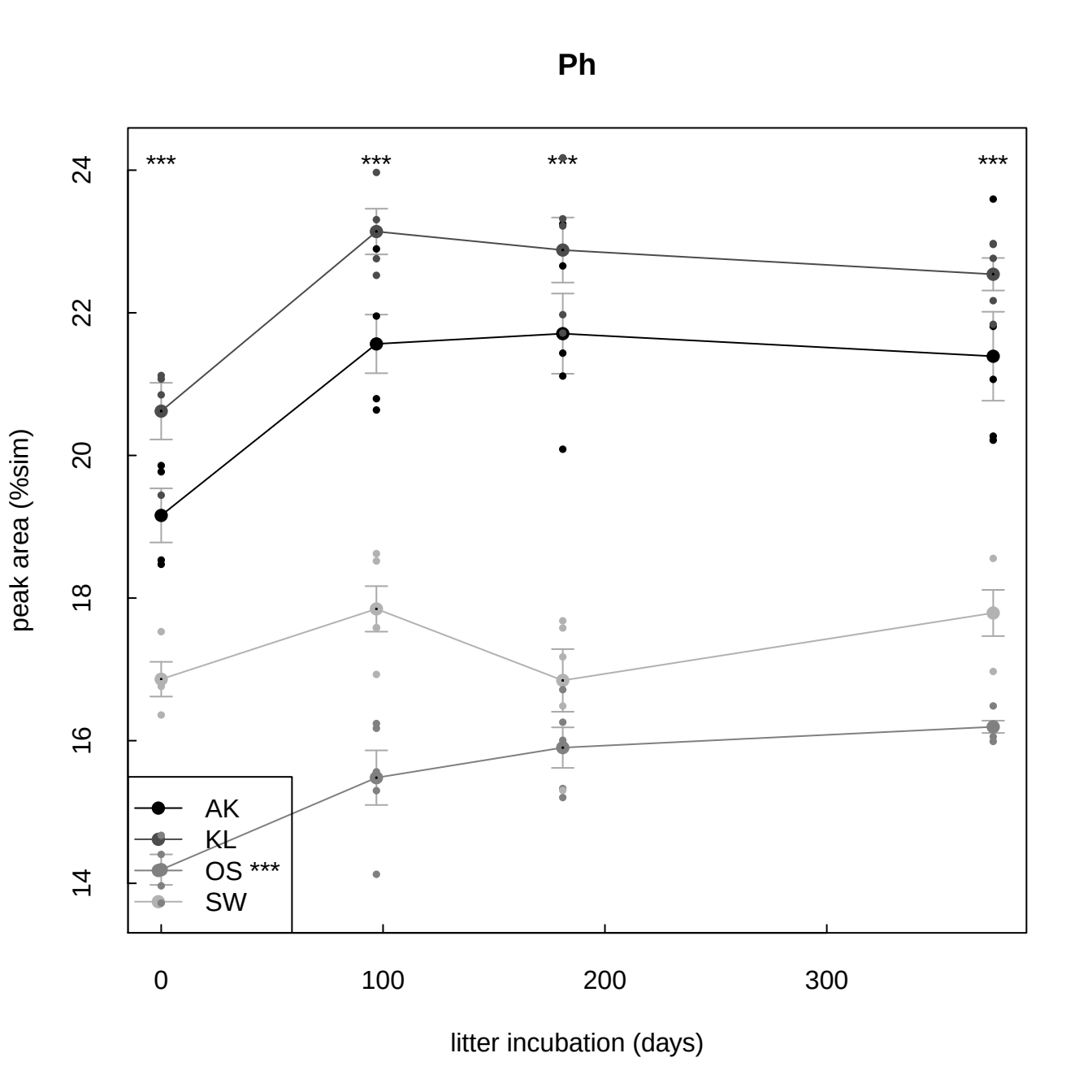

ind
***
***
***
***
0.3
0.4
0.5
0.6
peak area (%TIC)
AK *
KL **
OS ***
SW **
0
100
200
300
litter incubation (days)

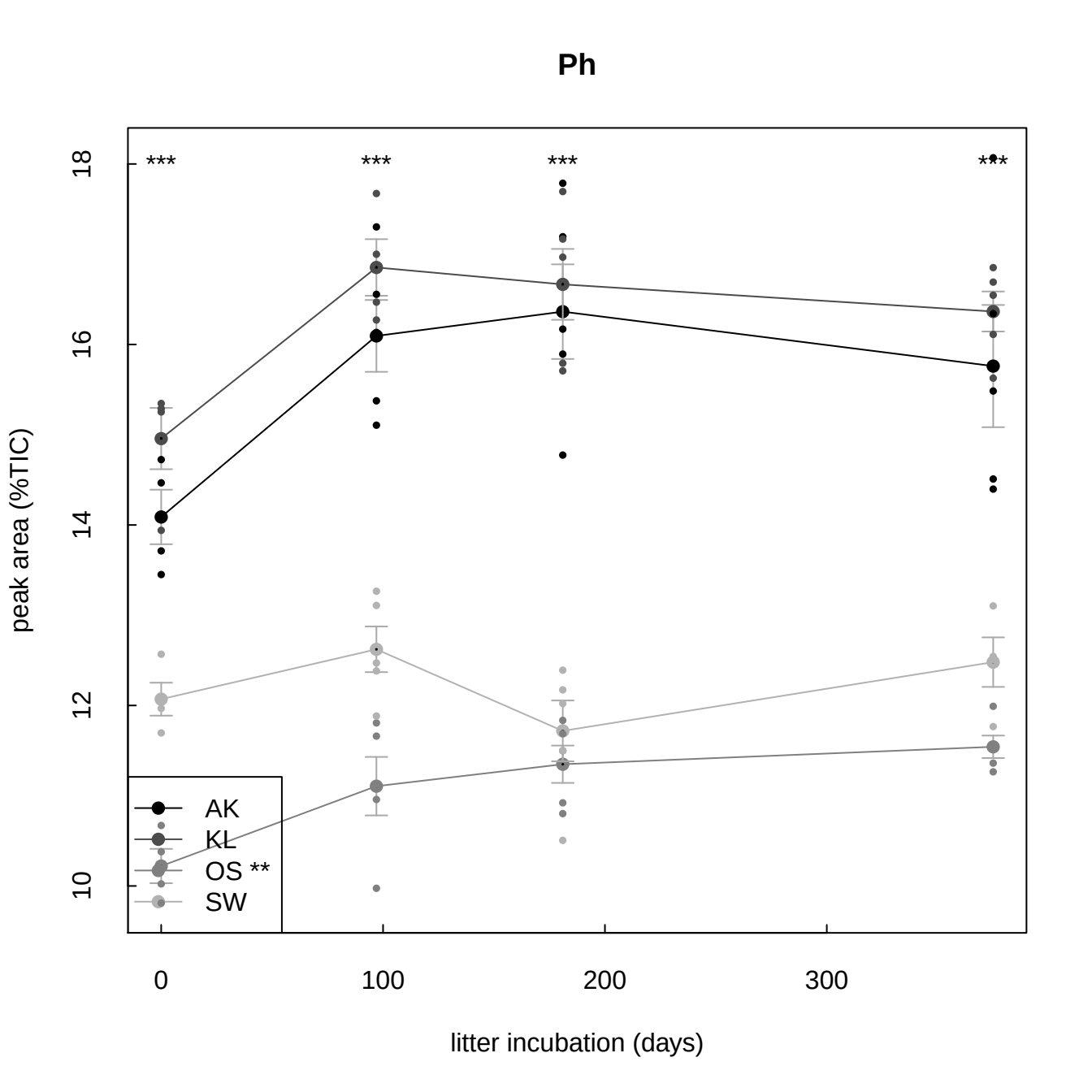

o
***
***
**
***
0.55
0.50
0.45
0.40
0.35
0.30
peak area (%sim)
AK *
KL
OS *
SW **
0
100
200
300
litter incubation (days)

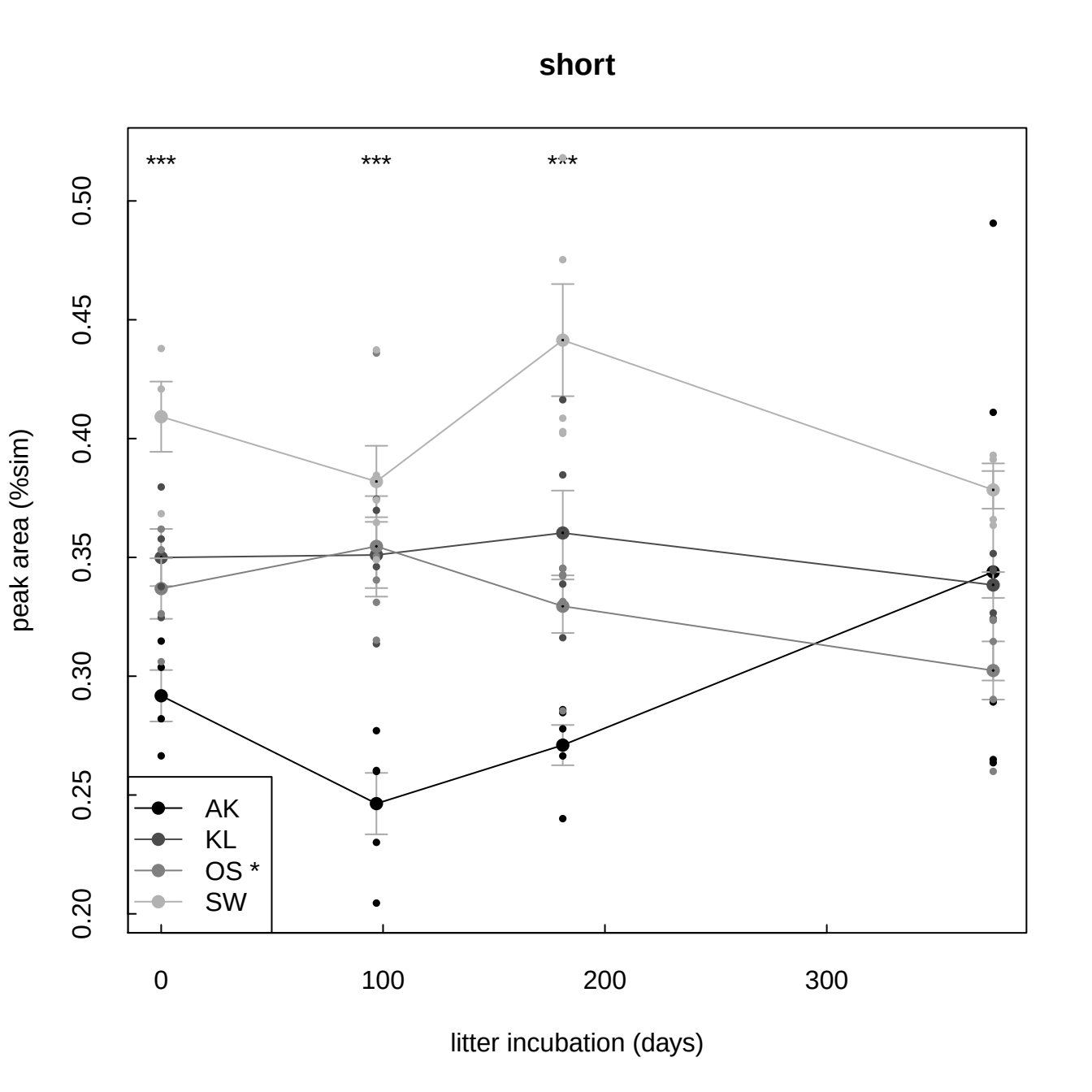

o
peak area (%TIC)
0.35
0.30
0.25
0.20
***
***
***
***
AK
KL
OS *
SW **
0
100
200
300
litter incubation (days)

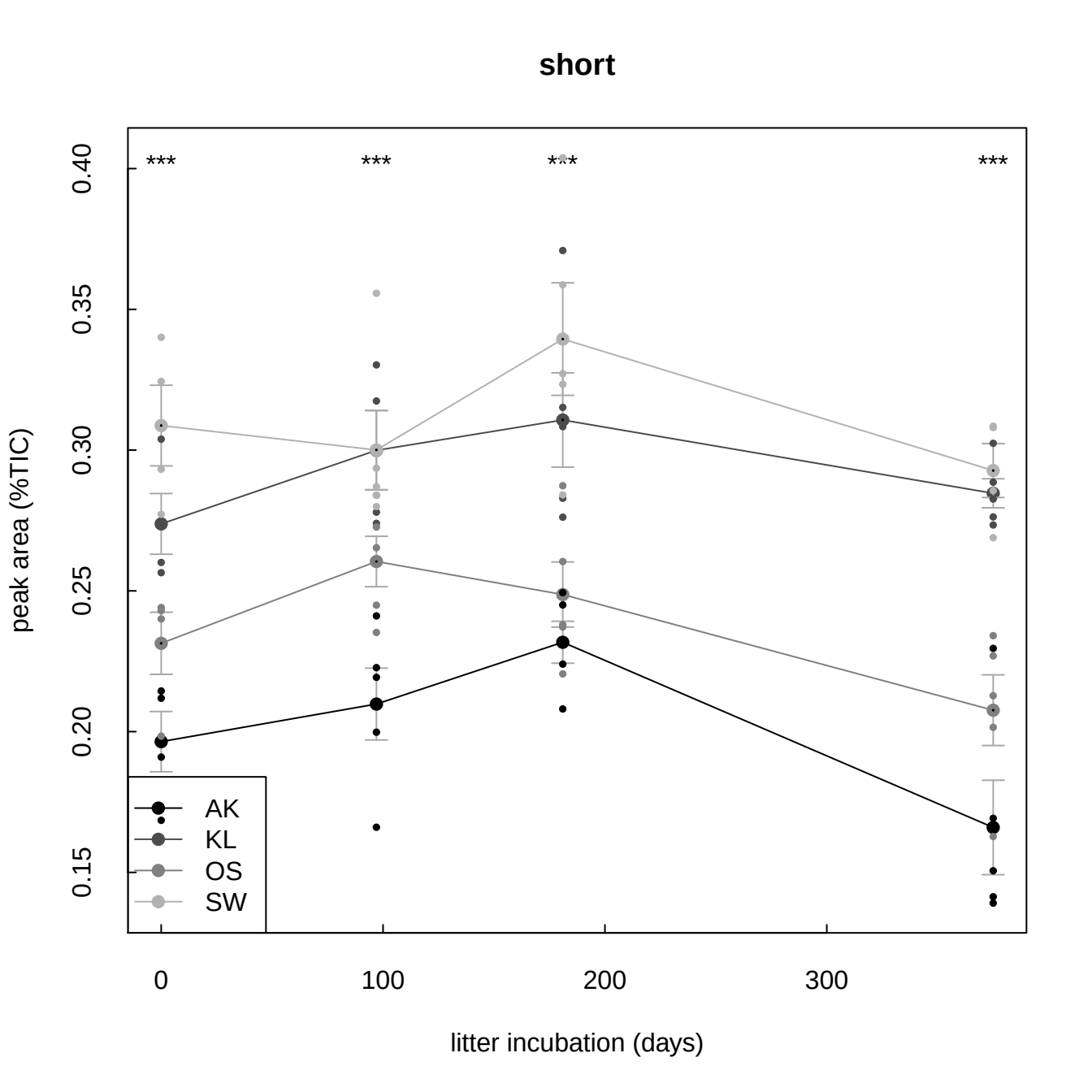

p
***
***
***
***
4.0
3.5
3.0
2.5
peak area (%sim)
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

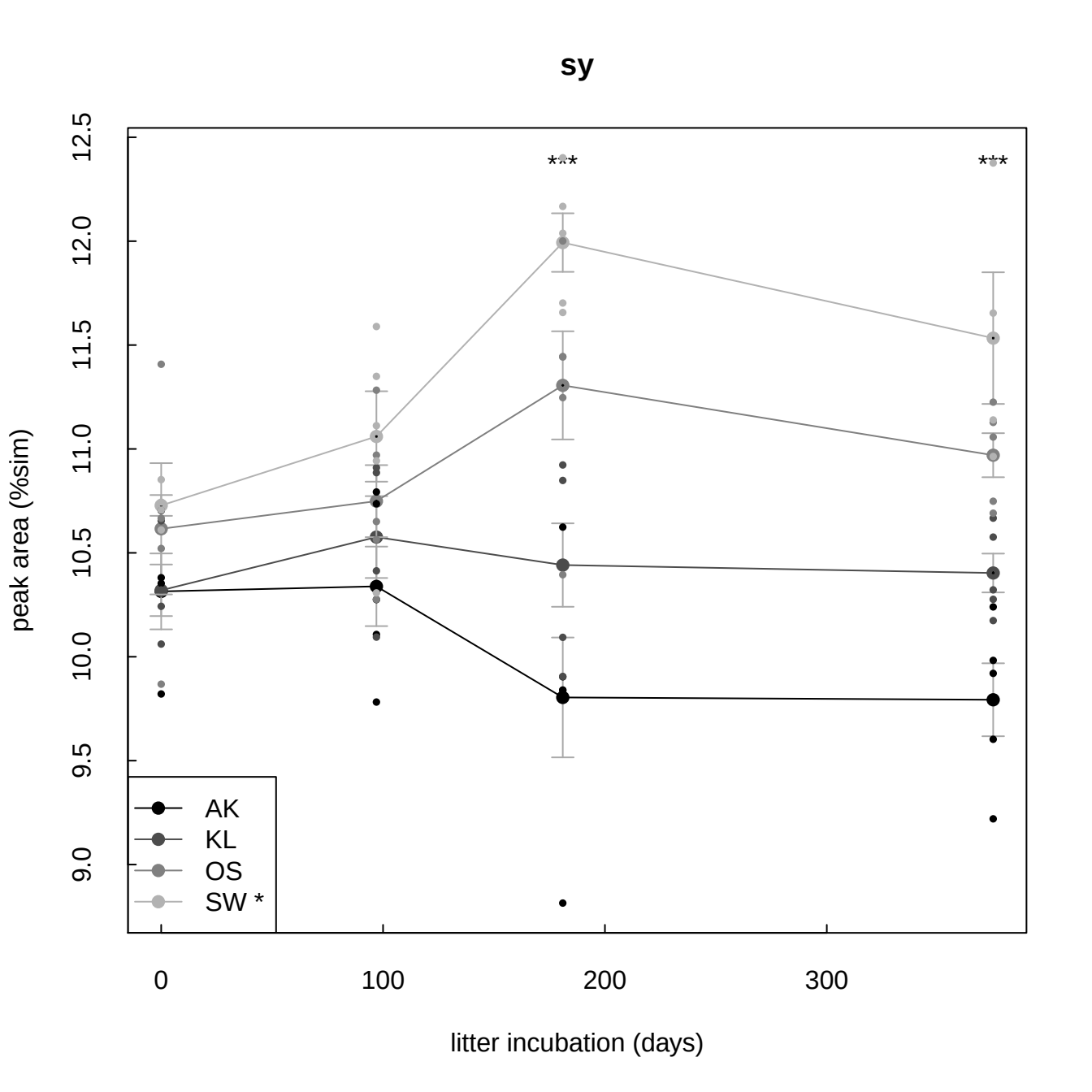

p
***
***
***
***
peak area (%TIC)
2.0
2.5
3.0
3.5
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

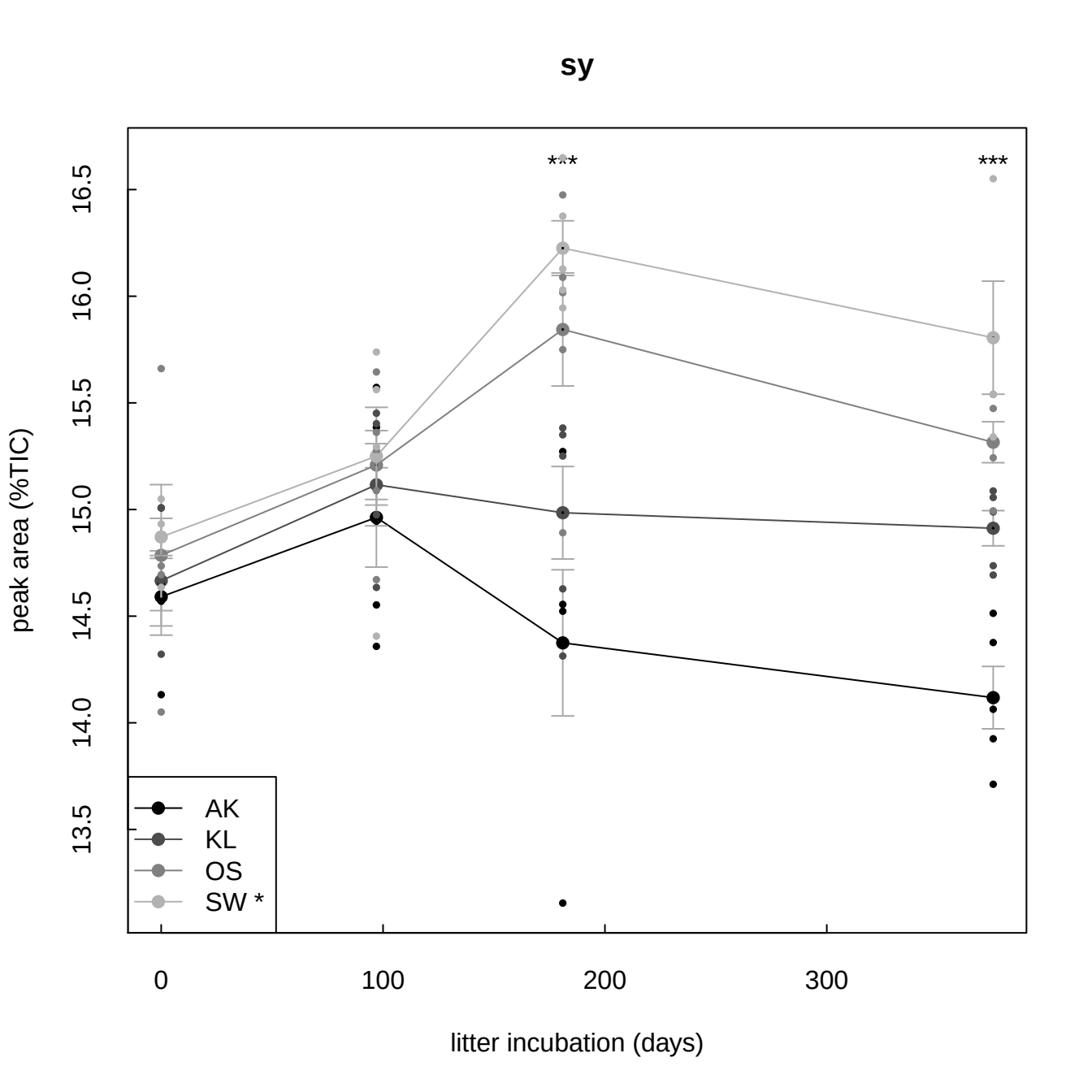

Ph
***
***
***
***
peak area (%sim)
14
16
18
20
22
24
AK
KL
OS ***
SW
0
100
200
300
litter incubation (days)

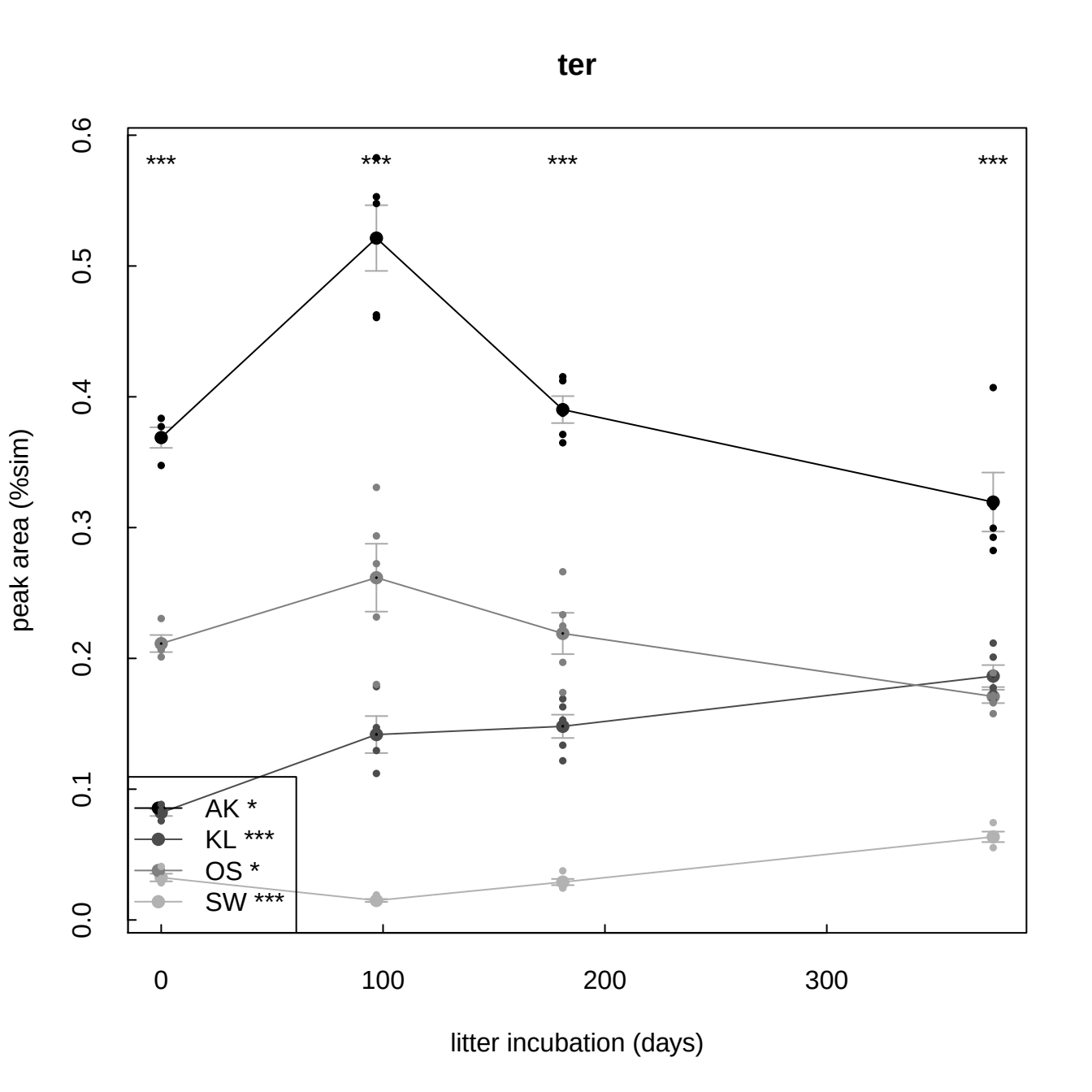

Ph
peak area (%TIC)
10
12
14
16
18
***
***
***
***
AK
KL
OS **
SW
0
100
200
300
litter incubation (days)

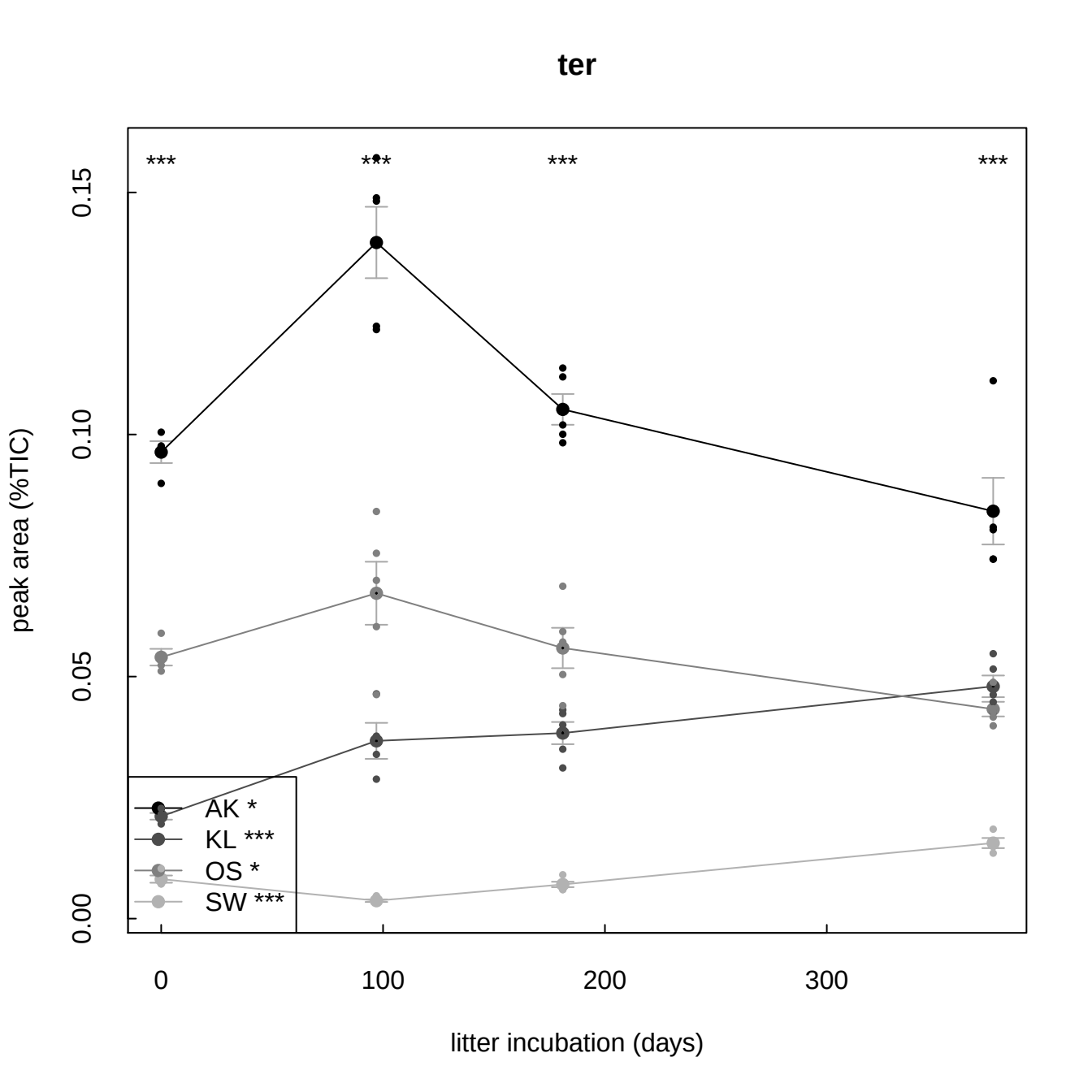

short
***
***
***
0.20
0.25
0.30
0.35
0.40
0.45
0.50
peak area (%sim)
AK
KL
OS *
SW
0
100
200
300
litter incubation (days)

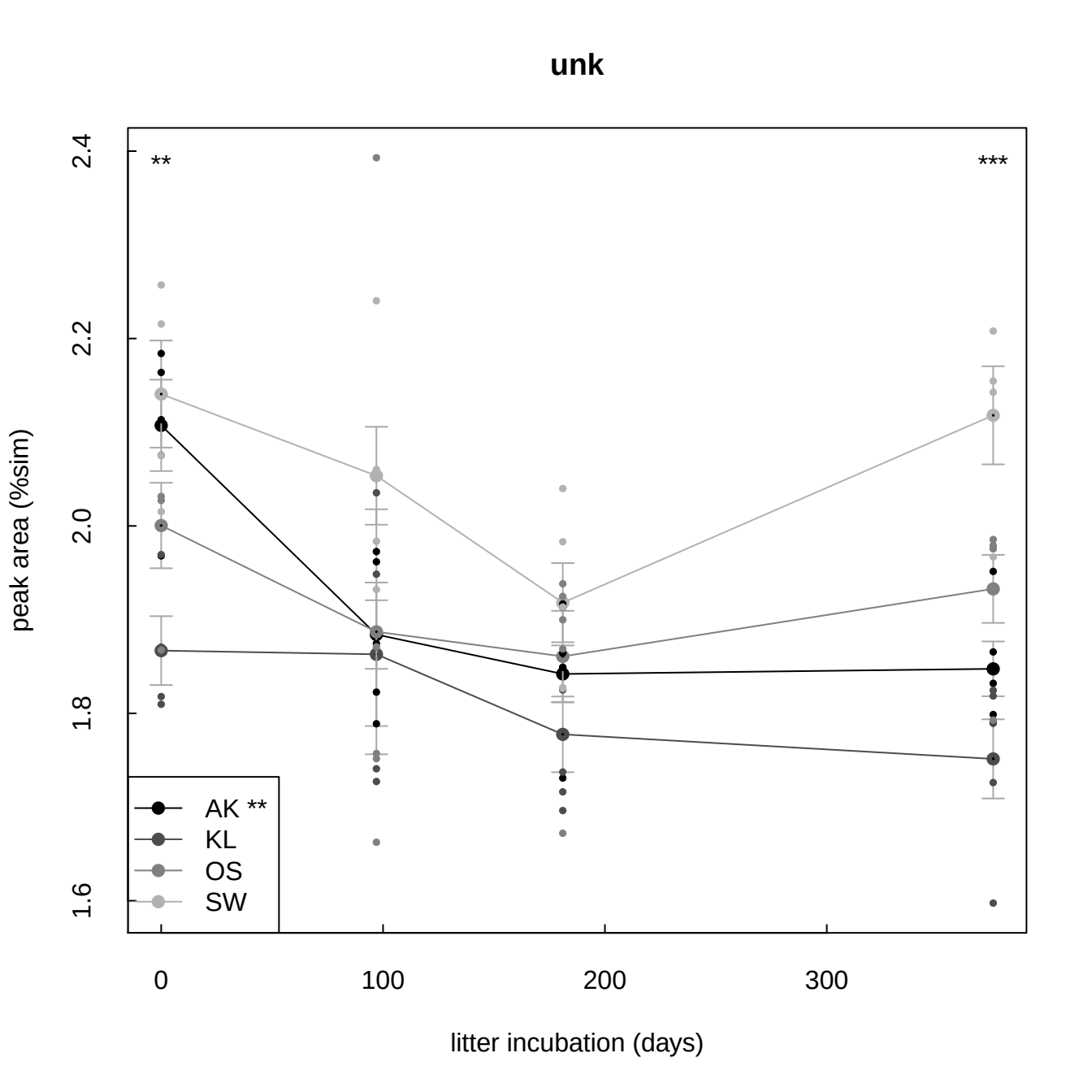

short
***
***
***
***
0.40
0.35
0.30
0.25
0.20
0.15
peak area (%TIC)
AK
KL
OS
SW
0
100
200
300
litter incubation (days)

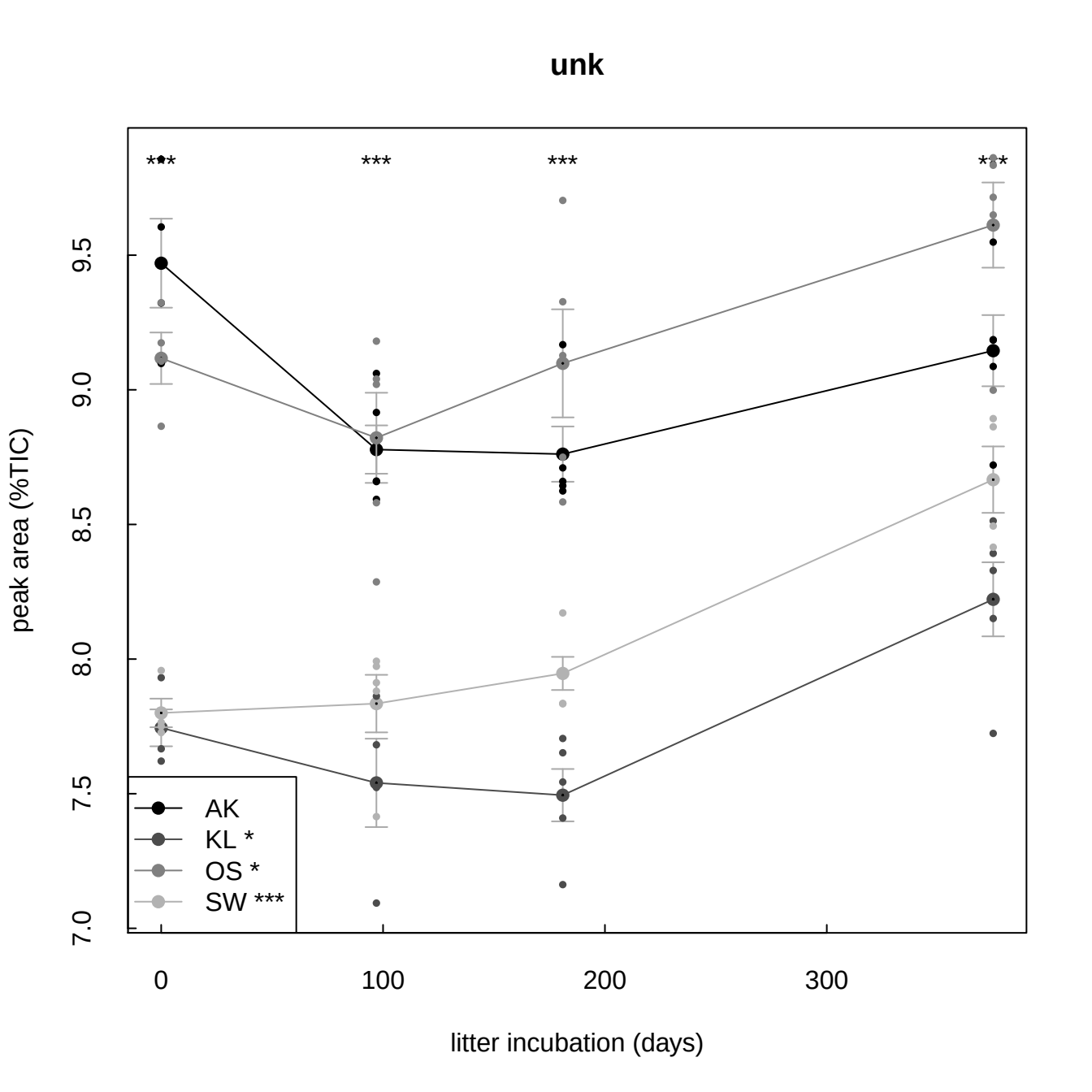

sy
peak area (%sim)
litter incubation (days)
***
***
AK
KL
OS
SW *
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
0
100
200
300


sy
***
***
peak area (%TIC)
16.5
16.0
15.5
15.0
14.5
14.0
13.5
AK
KL
OS
SW *
0
100
200
300
litter incubation (days)


ter
peak area (%sim)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
***
***
***
***
AK *
KL ***
OS *
SW ***
0
100
200
300
litter incubation (days)


ter
***
***
***
***
0.15
0.10
0.05
0.00
peak area (%TIC)
AK *
KL ***
OS *
SW ***
0
100
200
300
litter incubation (days)


unk
**
***
peak area (%sim)
2.4
2.2
2.0
1.8
1.6
AK **
KL
OS
SW
0
100
200
300
litter incubation (days)


unk
***
***
***
***
peak area (%TIC)
7.0
7.5
8.0
8.5
9.0
9.5
AK
KL *
OS *
SW ***
0
100
200
300
litter incubation (days)